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1984 Annual Report
Vital Statistics of Massachusetts

Massachusetts Department of Public Health
PUBLIC DOCUMENT NO. 1

The Commonwealth of Massachusetts
Executive Office of Human Services
Department of Public Health
150 Tremont Street
Boston 02111

Bailus Walker, Jr., Ph.D., M.P.H.
COMMISSIONER

April, 1986

To the Honorable Senate and
House of Representatives:

We have the honor to submit as required by Chapter 111, Section 2 of General Laws, the one hundred forty-third annual report on statistics of births, deaths, fetal deaths, marriages, divorces, and induced abortions in Massachusetts for the calendar year 1984.

This is the twenty-first Annual Report of Vital Statistics published by the Department of Public Health and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

Bailus Walker, Jr., Ph.D., M.P.H.
Commissioner of Public Health

PUBLIC DOCUMENT NO. 1

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

MICHAEL S. DUKAKIS, GOVERNOR
PHILIP W. JOHNSTON, SECRETARY, EXECUTIVE OFFICE OF HUMAN SERVICES
BAILUS WALKER, JR., PH.D., M.P.H., COMMISSIONER, DEPARTMENT OF PUBLIC HEALTH

ANNUAL REPORT
VITAL STATISTICS OF MASSACHUSETTS
(PUBLIC DOCUMENT #1)

1984

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF HEALTH STATISTICS AND RESEARCH (ELAINE B. TRUDEAU, ACTING DIRECTOR)
REGISTRY OF VITAL RECORDS AND STATISTICS
150 TREMONT STREET
BOSTON, MA 02111

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The 1984 ANNUAL REPORT OF VITAL STATISTICS is the result of the joint efforts of the data providers, including hospital personnel, physicians, funeral directors, the 351 city and town clerks, probate courts, and clinics, and Department of Public Health personnel.

Department of Public Health staff most significantly involved in the production of the 1984 ANNUAL REPORT include:

Elaine Trudeau, editor;

Robert Rosofsky, graphics and data coordination;

Irene Klangos, supervision of computer graphics and special table production, with programming by Lynne Whitton and Charlene Zion;

Robert Danley, population statistics;

Lisa Feingold, population estimates and age adjusted data;

Michael Healey, Division of Data Processing, data file management and vital events series printouts;

Janet Ragusa, word processing;

Deirdre Coleman, production status reporting;

Dennis Sterzin and Roger Davenport, Graphic Arts Unit of the Department of Public Health, for graphics layout and assistance.

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R.A. Bernatonis, coordination with cities and towns to produce the data in a timely fashion;

Phyllis Zeuli, supervision of the Vital Statistics Unit, which is responsible for data collection, coding and editing.

Harold Leonard, supervision of the records unit, which is responsible for maintaining all records and issuing certified copies.

The 1984 ANNUAL REPORT OF VITAL STATISTICS has been compiled and produced under the general supervision and direction of:

James V. Divver, Assistant Commissioner for Health Care Systems;

Elaine B. Trudeau, Acting Director of the Division of Health Statistics and Research.

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INTRODUCTION

The Annual Report of Vital Statistics (Public Document No. 1) has been continuously published since 1842. This is the 21st edition produced by the Department of Public Health. The report, required under the provisions of Section 2, Chapter 111 of the Massachusetts General Laws, tabulates data on Massachusetts births, fetal deaths, deaths, marriages, divorces, induced abortions, and population for calendar year 1984. Approximately 2,000 copies of the report are distributed to federal, state, and local governmental agencies, private and public health planners and researchers, students and members of the general public. The report provides its users with an overview of the health status of the Massachusetts population.

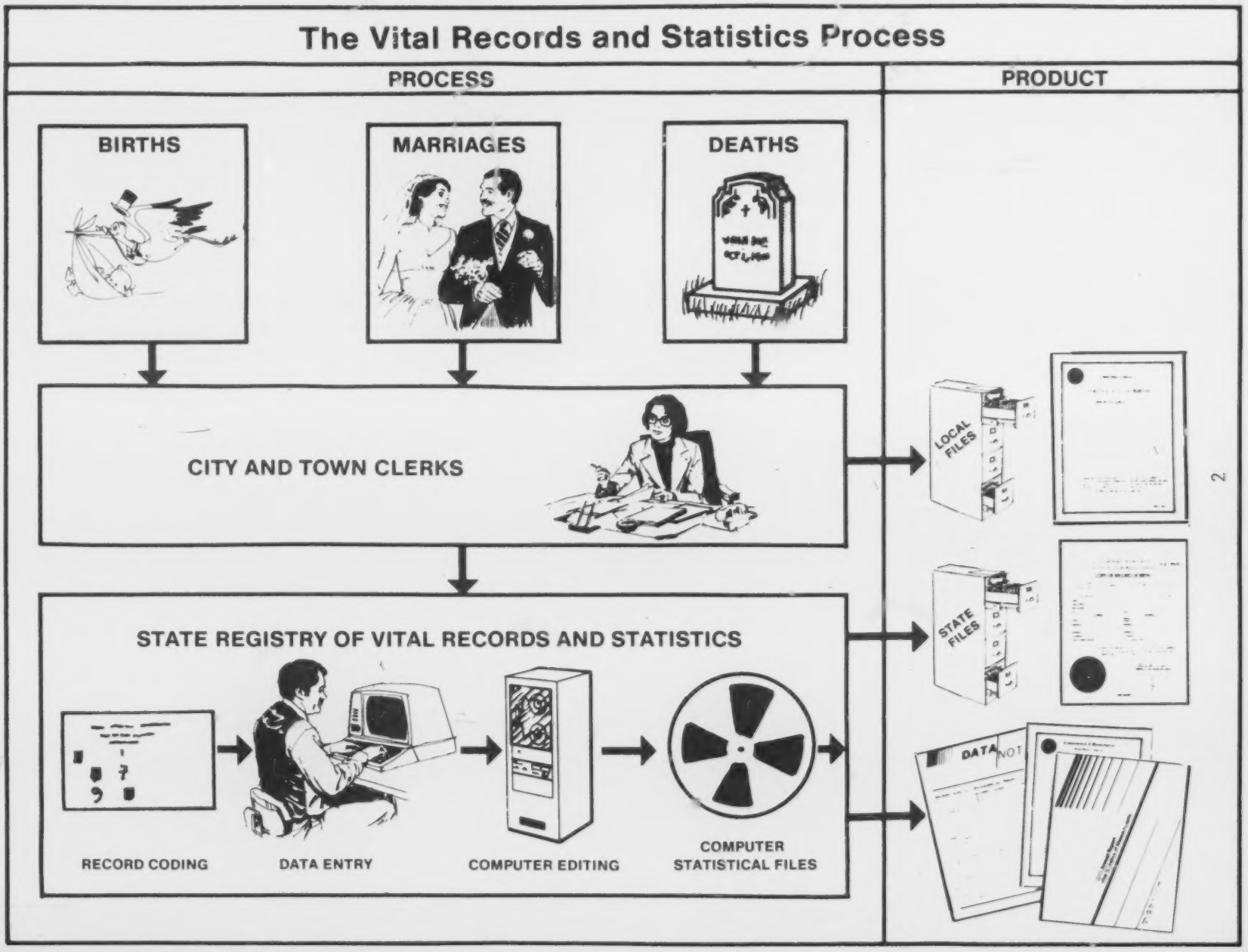
Vital statistics data may be tabulated either in terms of residence or occurrence data. Resident data include all events which occur to residents of the Commonwealth wherever they occur. Occurrence data include all those events which occur within the state, including those which occur to out-of-state residents. There is an interstate exchange agreement among the fifty states and Canada which provides for the exchange of copies of birth and death records. These records are exchanged for statistical purposes only, for events which occur in states other than where the individual resides; this allows each of the states and provinces to track the births and deaths of their residents. The majority of the data presented in this report for births and deaths is based on resident data. Fetal death, marriage, divorce, and induced abortion data, however, reflect occurrences within the Commonwealth only.

REGISTRATION

The first government operated system of vital events registration anywhere in the world began in the Commonwealth of Massachusetts in 1639 under colonial administration. Prior to that time, the responsibility for the registration of vital events had been placed on church officials. The Massachusetts system mandated the registration of vital events by the clerks of the communities. In 1841, the Massachusetts legislature established the first statewide coordination for the registration of these events by requiring that copies of the events registered in the local cities and towns be sent to the Secretary of State. In 1976, the responsibility for the state coordination was transferred to the Department of Public Health. This was accomplished to rejoin the statistical and registration functions which had been separated by the 1964 transfer of the statistical function to the health department. With the exception of the administrative location of the State Registry, the actual mechanics of the system have changed remarkably little over the years.

With limited exceptions, most vital records in Massachusetts are open, public records. The figure on the next page illustrates the registration process in Massachusetts. For open birth and death records, there is a triple registration process in Massachusetts. The event is first recorded in the city or town where the event occurred. The clerk of that community is then required to forward a certified copy of the record to the community where the person resided at the time of the event and a copy to the State Registry. Certified

The Vital Records and Statistics Process



copies of the records may be issued from local or state records. If the record is a restricted record, such as those of out-of-wedlock births, the registration occurs only in the community where the event occurred and the state office.

In addition to receiving a legal copy of each birth record from the city or town in which the birth occurred, the State Registry also receives a confidential copy of the birth record directly from the hospital or birth center where the birth occurred. This copy includes confidential medical information in addition to the legal information. It is this copy of the record which is processed to produce the statistical information on births contained in this report.

Anyone wishing to be married in the Commonwealth may receive their license from any of the 351 cities or towns in the state regardless of where they reside or where the marriage is to take place. The community issuing the license is required to send an attested copy of the marriage record to the State Registry.

The Registry of Vital Records and Statistics receives directly from hospitals the reports of fetal deaths of twenty or more weeks gestation. There are no local filings of fetal death reports. The State Registry receives summary reports of induced abortions each month from hospitals, clinics, and physicians. Abstracts of divorces granted are also sent directly to the State Registry from the Registers of Probate from each county probate court.

STATISTICAL PROCESSING AND TABULATING

The records received in the State Registry are carefully examined for errors or inconsistencies and are queried if necessary. These records are then coded and computerized. Annually, when registration is considered as complete as possible, statistics are aggregated for presentation in this report, special studies, and program monitoring and surveillance.

Anyone using statistical information for comparisons over time should be aware of inconsistencies and changing conventions for classification and coding. This is particularly important when using cause of death information. Codes used for classifying cause of death in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization. Classification of variables such as race, nativity, and marital status may also differ over time.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth, as well as educational planners, demographers, and historians. Questions concerning these data and requests for more detailed findings should be directed to the Massachusetts Department of Public Health, Division of Health Statistics and Research, 150 Tremont Street, Boston, Massachusetts 02111, (617) 727-2977.

VITAL EVENTS

SECTION A

VITAL EVENTS

The rate of natural increase, i.e., the difference between the rate of births and deaths, in Massachusetts reflected an increase in 1984 to 4.0 per 1,000 residents from 3.8 in 1983. Figure A-2 illustrates that the Massachusetts rate remains far below the U.S. rate of 7.0. It is interesting to note that while the Massachusetts rate of natural increase over the past seventy years has shown considerably more variability than that of the U.S., the general trend between the two has continued steady.

The number of births in 1984 increased by 2.8% over 1983 (78,198 compared to 76,031), and the number of deaths increased 1.9% over 1983 (55,189 compared to 54,150). The birth rate for Massachusetts of 13.6 per 1,000 population is lower than the U.S. rate of 15.7. While the Massachusetts death rate rose to 9.6, the U.S. rate remained at 8.7.

While infant deaths increased 2.5% for a total of 699 compared to 682 in 1983, the rate decreased to 8.9 per 1,000 from the 1983 rate of 9.9. Neonatal deaths decreased by 2.1% to 472, reflecting a rate of 6.0 per 1,000 live births compared to 6.3 in 1983. These figures compare favorably to the United States where the rates are 10.6 for infants and 6.9 for neonatal deaths respectively. It should be noted, however, that the U.S. data are provisional.

The number of fetal deaths in 1984 showed an increase of 5.8% to 582 from the 1983 figure of 550.

Marriages occurring in Massachusetts increased by 3.2% from 1983 while the number of divorces decreased 7.3%. The Massachusetts marriage rate of 8.8 per 1,000 population and the divorce rate of 3.0 both continued to be lower than the national rates.

Induced abortions were 14.5% lower in 1984 than in 1983. This is the fifth consecutive year in which there was a decrease in the reported number of abortions.

In addition to expanding on the information described above, this section includes tables and graphic presentations of summary birth and death data for each city and town, county, and health service area in Massachusetts. A breakdown of vital events by 1984 calendar month is provided as well as summary birth and death data since 1980. Succeeding sections of this report present detailed data on each type of vital event.

FIGURE A–1

1984 MASSACHUSETTS VITAL EVENTS

Each day Massachusetts residents had approximately:

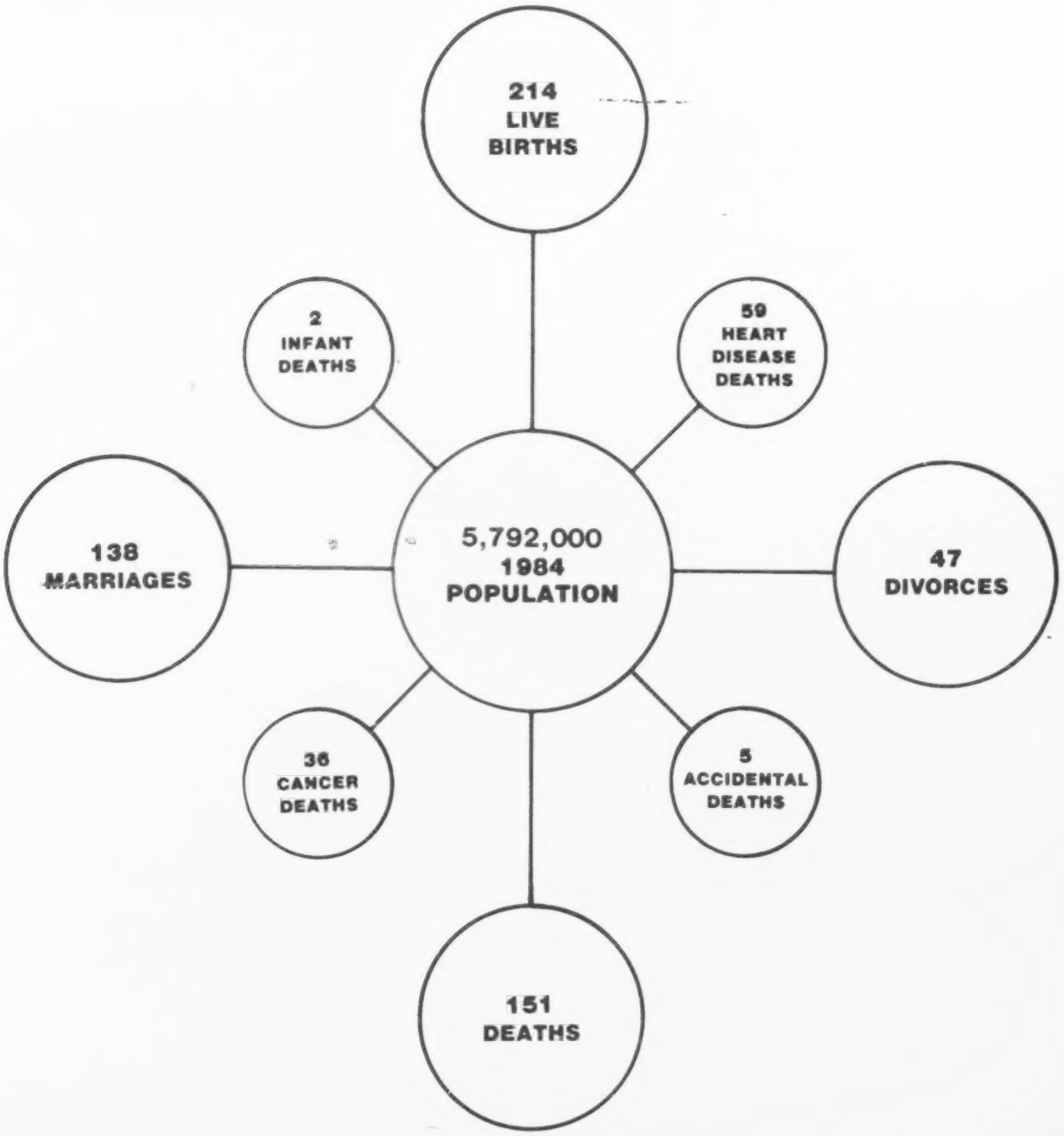


TABLE A-1
SUMMARY OF VITAL EVENTS--MASSACHUSETTS AND UNITED STATES
1983-1984

VITAL EVENT	- MASSACHUSETTS - 1984	1983	% CHANGE	- UNITED STATES - 1984	1983	% CHANGE
LIVE BIRTHS	78,198	76,031	+ 2.9	3,697,000	3,614,000	+2.3
FETAL DEATHS	582	550	+ 5.8		N/A	
TOTAL DEATHS	55,189	54,150	+ 1.9	2,047,000	2,010,000	+1.8
INFANT DEATHS	699	682	+ 2.5	39,200	39,400	-0.5
NEONATAL DEATHS	472	482	- 2.1	25,360	26,400	-3.9
MARRIAGES	50,306	48,749	+ 3.2	2,487,000	2,444,000	+1.8
DIVORCES	17,123	18,477	- 7.3	1,155,000	1,179,000	-2.0
ABORTIONS	31,876	37,272	-14.5		N/A	

NOTE: NEONATAL AND INFANT DEATHS ARE INCLUDED IN TOTAL DEATHS, BUT NOT FETAL DEATHS. FIGURES FOR MARRIAGES, DIVORCES AND ABORTION REFLECT OCCURRENCE, NOT RESIDENCE.

ALL U.S. FIGURES OTHER THAN BIRTHS ARE PROVISIONAL.

TABLE A-2
CRUDE RATES OF VITAL EVENTS, MASSACHUSETTS AND UNITED STATES
1983-1984

VITAL EVENT	- MASSACHUSETTS -		- UNITED STATES -	
	1984	1983	1984	1983
LIVE BIRTHS	13.6	13.2	15.7	15.5
FETAL DEATHS	7.4	7.2	N/A	N/A
TOTAL DEATHS	9.6	9.4	8.7	8.6
INFANT DEATHS	8.9	9.0	10.6	10.9
NEONATAL DEATHS	6.0	6.3	6.9	7.3
MARRIAGES	8.8	8.5	10.5	10.5
DIVORCES	3.0	3.2	4.9	5.0
ABORTIONS	5.5	6.5	N/A	N/A

NOTE: THE RATES FOR LIVE BIRTHS, TOTAL DEATHS, MARRIAGES, DIVORCES AND ABORTIONS ARE PER 1,000 POPULATION.

INFANT AND NEONATAL DEATHS ARE PER 1,000 LIVE BIRTHS.

FETAL DEATHS ARE PER 1,000 LIVE BIRTHS AND FETAL DEATHS.

ALL U.S. RATES OTHER THAN BIRTHS ARE PROVISIONAL.

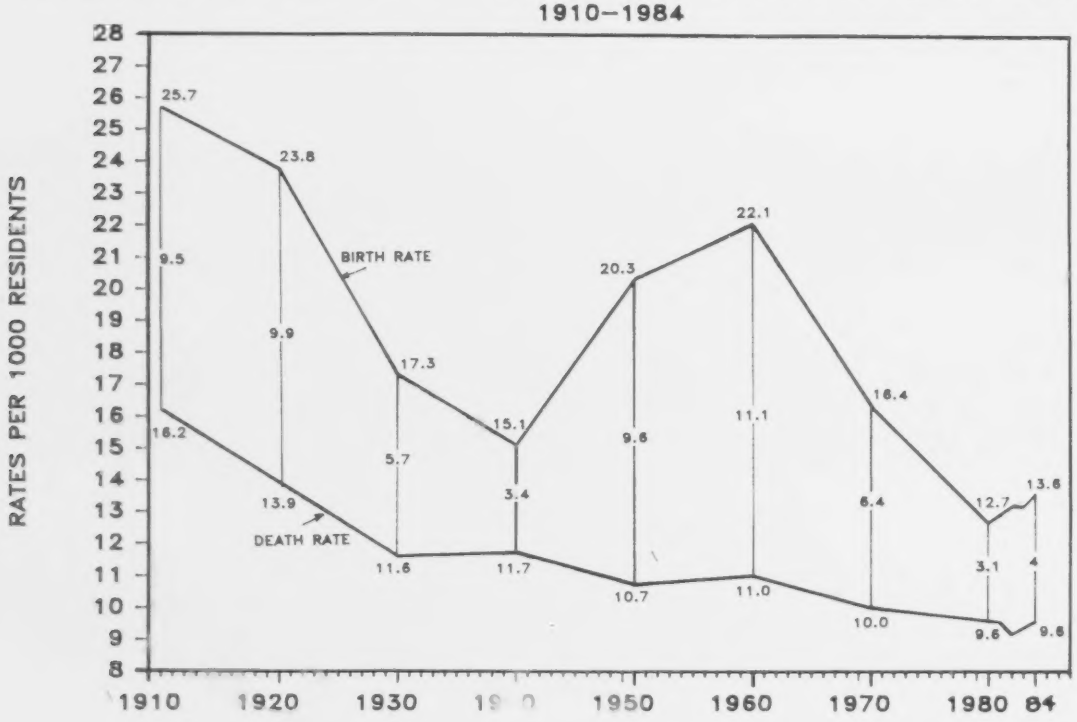
TABLE A-3
MASSACHUSETTS RESIDENT BIRTHS AND DEATHS AND RESULTANT NATURAL INCREASE
1900-1984

YEAR	BIRTHS	DEATHS	NATURAL INCREASE	RATE
1900	73,386	51,156	22,230	7.9
1905	75,022	50,486	24,536	8.2
1910	86,539	54,407	32,132	9.5
1915	93,155	53,131	40,024	10.8
1920	91,859	53,632	38,227	9.9
1925	86,014	51,890	34,124	8.2
1930	73,690	49,503	24,187	5.7
1935	62,416	49,634	12,782	2.9
1940	65,369	50,698	14,671	3.4
1945	76,455	50,763	25,692	5.7
1950	95,619	50,359	45,260	9.6
1955	109,610	53,386	56,224	11.6
1960	114,018	56,560	57,458	11.2
1965	100,262	58,853	41,409	7.8
1970	93,582	56,944	36,638	6.4
1975	68,070	53,708	14,362	2.5
1980	72,591	54,935	17,656	3.1
1981	73,931	52,814	21,117	3.7
1982	75,749	52,868	22,881	4.0
1983	76,031	54,150	21,881	3.8
1984	78,198	55,189	23,009	4.0

FIGURE A-2

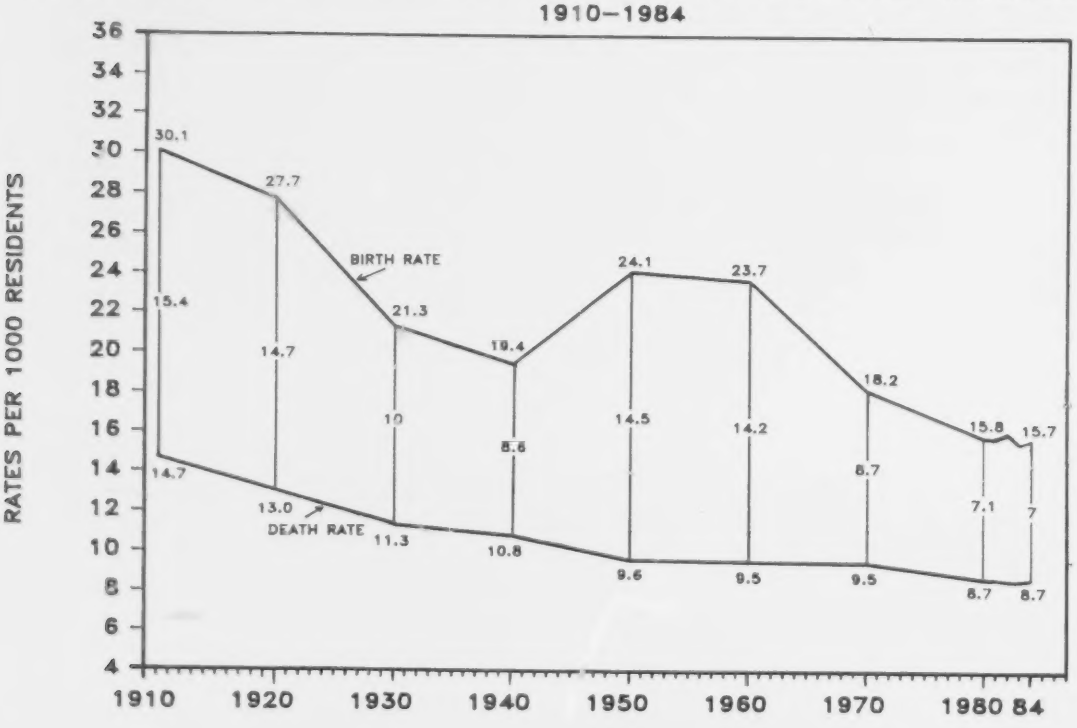
MASSACHUSETTS RATE OF NATURAL INCREASE

1910–1984



UNITED STATES RATE OF NATURAL INCREASE

1910–1984



NOTE: 1984 U.S. DATA IS PROVISIONAL

TABLE A-4
VITAL EVENTS BY MONTH
1984

		BIRTHS	FETAL DEATHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	MARRIAGES	DIVORCES	ABORTIONS
TOTALS	N	78,198	582	55,189	699	472	50,306	17,123	31,876
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
JANUARY	N	5,962	37	5,101	54	37	1,815	1,315	3,200
	%	7.6	6.3	9.3	7.7	7.8	3.6	7.7	10.0
FEBRUARY	N	5,897	46	4,405	67	47	2,132	1,307	3,325
	%	7.5	7.9	8.0	9.6	10.1	4.2	7.6	10.4
MARCH	N	6,450	50	4,774	59	43	2,430	1,479	3,408
	%	8.3	8.6	8.7	8.4	9.1	4.8	8.6	10.7
APRIL	N	6,216	44	4,725	70	50	3,446	1,346	2,969
	%	8.0	7.6	8.6	10.0	10.5	6.9	7.9	9.3
MAY	N	6,673	47	4,603	42	24	5,317	1,489	2,889
	%	8.5	8.1	8.3	6.0	5.1	10.6	8.7	9.1
JUNE	N	6,633	66	4,600	55	46	6,997	1,455	2,274
	%	8.5	11.3	8.3	7.9	9.7	13.9	8.5	7.1
JULY	N	7,067	43	4,267	52	35	4,355	1,324	2,221
	%	9.0	7.4	7.7	7.4	7.4	8.7	7.7	7.0
AUGUST	N	6,998	41	4,326	42	24	5,255	1,382	2,325
	%	9.0	7.0	7.8	6.0	5.1	10.4	8.1	7.3
SEPTEMBER	N	6,914	57	4,357	71	49	6,953	1,469	2,173
	%	8.8	9.8	7.9	10.2	10.4	13.8	8.6	6.8
OCTOBER	N	6,737	54	4,581	57	36	5,476	1,426	2,324
	%	8.6	9.3	8.3	8.2	7.6	10.9	8.3	7.3
NOVEMBER	N	6,389	43	4,535	64	39	3,404	1,497	2,259
	%	8.2	7.4	8.2	9.2	8.3	6.8	8.6	7.1
DECEMBER	N	6,262	54	4,915	66	42	2,726	1,634	2,509
	%	8.0	9.3	8.9	9.4	8.9	5.4	9.6	7.9

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE-			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
ABINGTON	2	46	211	202	108	94	9	5	4	128	64	64	2	0	2	1	0	1	83
ACTON	2	49	197	191	98	93	6	2	4	82	34	48	1	0	1	1	0	1	115
ACUSHNET	0	27	89	86	40	46	3	2	1	90	56	34	0	0	0	0	0	0	-1
ADAMS	0	30	112	103	52	51	9	4	5	141	79	62	1	1	0	1	1	0	-29
AGAWAM	1	89	290	270	137	133	20	12	8	210	109	101	2	0	2	0	0	0	80
ALFORD	0	1	4	4	3	1	0	0	0	4	2	2	0	0	0	0	0	0	0
AMESBURY	4	176	244	232	118	114	12	6	6	157	68	89	2	0	2	2	0	2	87
AMHERST	1	47	198	192	102	90	6	1	5	96	45	51	0	0	0	0	0	0	102
ANDOVER	4	45	304	289	137	152	15	6	9	195	92	103	4	2	2	1	1	0	109
ARLINGTON	6	452	496	472	253	219	24	11	13	547	272	275	4	2	2	1	1	0	-51
ASHBURNHAM	0	3	61	59	34	25	2	2	0	44	21	23	0	0	0	0	0	0	17
ASHBY	0	0	34	33	18	15	1	1	0	16	8	8	1	1	0	1	1	0	18
ASHFIELD	2	1	25	25	13	12	0	0	0	15	10	5	0	0	0	0	0	0	10
ASHLAND	0	4	186	177	87	90	9	3	6	53	25	28	1	0	1	1	0	1	133
ATHOL	1	137	147	139	60	79	8	3	5	134	81	53	1	1	0	1	1	0	13
ATTLEBORO	1011	477	570	530	295	235	40	18	22	299	156	143	4	3	1	3	3	0	271
AUBURN	0	19	167	163	85	78	4	1	3	143	68	75	2	0	2	2	0	2	24
AVON	0	6	55	54	30	24	1	1	0	47	23	24	0	0	0	0	0	0	8
AYER	2	171	293	280	148	132	13	9	4	57	36	21	2	2	0	2	2	0	236
BARNSTABLE	1147	1001	450	425	231	194	25	10	15	459	215	244	2	1	1	1	0	1	-9
BARRE	0	13	65	62	31	31	3	0	3	38	15	23	1	1	0	1	1	0	27
BECKET	1	3	20	18	11	7	2	1	1	8	3	5	0	0	0	0	0	0	12
BEDFORD	2	209	166	157	78	79	9	1	8	105	53	52	2	1	1	1	0	1	61
BELCHERTOWN	4	12	130	118	67	51	12	5	7	58	37	21	0	0	0	0	0	0	72

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
BELLINGHAM	1	12	202	182	103	79	20	10	10	79	47	32	3	3	0	3	3	0	123
BELMONT	0	71	240	229	106	123	11	4	7	320	133	187	1	0	1	1	0	1	-80
BERKLEY	0	9	40	37	16	21	3	2	1	21	13	8	0	0	0	0	0	0	19
BERLIN	0	2	27	27	16	11	0	0	0	22	12	10	0	0	0	0	0	0	5
BERNARDSTON	0	1	19	18	11	7	1	0	1	11	8	3	0	0	0	0	0	0	8
BEVERLY	1187	512	486	465	232	233	21	14	7	399	193	206	4	3	1	3	3	0	87
BILLERICA	1	43	537	504	258	246	33	16	17	208	119	89	7	5	2	5	4	1	329
BLACKSTONE	0	11	96	89	46	43	7	2	5	56	36	20	1	0	1	1	0	1	40
BLANDFORD	0	0	11	9	4	5	2	1	1	8	5	3	0	0	0	0	0	0	3
BOLTON	0	3	36	36	20	16	0	0	0	15	10	5	0	0	0	0	0	0	21
BOSTON	18443	9544	8526	7719	3992	3727	807	365	442	5727	2834	2893	100	59	41	66	36	30	2799
BOURNE	1	103	233	219	104	115	14	7	7	133	76	57	4	3	1	2	1	1	100
BOXBOROUGH	0	1	57	53	26	27	4	0	4	8	4	4	0	0	0	0	0	0	49
BOXFORD	0	3	64	61	31	30	3	3	0	22	8	14	0	0	0	0	0	0	42
BOYLSTON	0	61	57	55	29	26	2	1	1	29	14	15	1	1	0	1	1	0	28
BRAINTREE	1	332	400	393	210	183	7	5	2	349	165	184	0	0	0	0	0	0	51
BREWSTER	0	57	91	88	38	50	3	2	1	67	39	28	1	0	1	1	0	1	24
BRIDGEWATER	0	35	218	209	110	99	9	2	7	110	54	56	1	0	1	1	0	1	108
BRIMFIELD	0	0	31	31	19	12	0	0	0	19	7	12	1	1	0	1	1	0	12
BROCKTON	1225	1471	1622	1499	756	743	123	61	62	960	464	496	24	17	7	17	11	6	662
BROOKFIELD	1	7	41	38	20	18	3	1	2	31	18	13	0	0	0	0	0	0	10
BROOKLINE	12	258	545	520	260	260	25	9	16	586	260	326	2	2	0	2	2	0	-41
BUCKLAND	2	8	22	20	10	10	2	1	1	22	13	9	0	0	0	0	0	0	0
BURLINGTON	0	320	264	256	121	135	8	6	2	117	57	60	1	1	0	1	1	0	147

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
CAMBRIDGE	1635	1358	1079	1006	505	501	73	33	40	802	379	423	10	3	7	6	2	4	277
CANTON	1	36	171	166	83	83	5	1	4	157	77	80	0	0	0	0	0	0	14
CARLISLE	0	3	42	41	21	20	1	0	1	11	6	5	0	0	0	0	0	0	31
CARVER	0	14	124	116	60	56	8	3	5	63	36	27	2	1	1	2	1	1	61
CHARLEMONT	2	1	17	17	8	9	0	0	0	8	6	2	0	0	0	0	0	0	9
CHARLTON	0	23	134	130	63	67	4	3	1	63	35	28	1	1	0	1	1	0	71
CHATHAM	2	33	56	55	25	30	1	1	0	109	53	56	1	0	1	0	0	0	-53
CHELMSFORD	1	66	369	349	177	172	20	11	9	206	102	104	3	2	1	3	2	1	163
CHELSEA	1	194	479	449	223	226	30	12	18	361	203	158	4	0	4	3	0	3	118
CHESHIRE	0	3	51	47	29	18	4	4	0	23	11	12	0	0	0	0	0	0	28
CHESTER	0	4	16	15	8	7	1	0	1	15	9	6	0	0	0	0	0	0	1
CHESTERFIELD	0	1	20	17	7	10	3	2	1	7	2	5	0	0	0	0	0	0	13
CHICOPEE	3	156	758	704	370	334	54	28	26	561	278	283	7	4	3	4	4	0	197
CHILMARK	0	1	12	10	5	5	2	2	0	1	0	1	0	0	0	0	0	0	11
CLARKSBURG	0	2	16	16	9	7	0	0	0	17	6	11	0	0	0	0	0	0	-1
CLINTON	0	98	185	176	103	73	9	5	4	112	57	55	3	2	1	3	2	1	73
COHASSET	0	43	76	74	46	28	2	2	0	48	22	26	1	1	0	1	1	0	28
COLRAIN	0	3	24	22	11	11	2	1	1	13	6	7	1	0	1	1	0	1	11
CONCORD	1693	413	151	144	69	75	7	3	4	156	59	97	1	0	1	0	0	0	-5
CONWAY	0	0	19	18	9	9	1	1	0	9	5	4	0	0	0	0	0	0	10
CUMMINGTON	0	1	12	11	9	2	1	0	1	12	5	7	1	0	1	1	0	1	0
DALTON	0	38	69	66	28	38	3	2	1	78	42	36	1	1	0	0	0	0	-9
DANVERS	687	355	299	282	148	134	17	8	9	275	136	139	2	2	0	2	2	0	24
DARTMOUTH	1	96	227	208	97	111	19	8	11	234	134	100	1	1	0	1	1	0	-7

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
DEDHAM	0	67	262	247	122	125	15	7	8	236	114	122	2	1	1	2	1	1	26
DEERFIELD	0	25	45	41	18	23	4	2	2	34	16	18	0	0	0	0	0	0	11
DENNIS	4	44	161	153	84	69	8	6	2	173	89	84	1	1	0	1	1	0	-12
DIGHTON	0	15	63	62	40	22	1	1	0	47	26	21	2	1	1	2	1	1	16
DOUGLAS	0	8	76	70	30	40	6	3	3	34	19	15	0	0	0	0	0	0	42
DOVER	1	4	47	47	25	22	0	0	0	23	10	13	0	0	0	0	0	0	24
DRACUT	1	28	338	317	152	165	21	11	10	171	103	68	4	3	1	4	3	1	167
DUDLEY	0	15	116	107	53	54	9	2	7	83	39	44	0	0	0	0	0	0	33
DUNSTABLE	1	1	23	22	8	14	1	0	1	7	5	2	0	0	0	0	0	0	16
DUXBURY	1	30	155	145	76	69	10	3	7	81	43	38	2	1	1	1	0	1	74
EAST BRIDGEWATER	3	23	137	132	67	65	5	1	4	95	62	33	0	0	0	0	0	0	42
EAST BROOKFIELD	0	3	24	23	11	12	1	0	1	12	6	6	0	0	0	0	0	0	12
EAST LONGMEADOW	0	72	104	100	47	53	4	2	2	133	64	69	1	0	1	1	0	1	-29
EASTHAM	2	11	42	41	25	16	1	0	1	53	35	18	0	0	0	0	0	0	-11
EASTHAMPTON	0	22	215	202	114	88	13	5	8	135	75	60	0	0	0	0	0	0	80
EASTON	0	47	226	215	123	92	11	3	8	124	62	62	0	0	0	0	0	0	102
EDGARTOWN	0	8	50	50	32	18	0	0	0	29	16	13	0	0	0	0	0	0	21
EGREMONT	0	3	11	8	5	3	3	1	2	10	6	4	0	0	0	0	0	0	1
ERVING	0	1	4	4	3	1	0	0	0	11	7	4	0	0	0	0	0	0	-7
ESSEX	0	9	51	51	29	22	0	0	0	24	9	15	0	0	0	0	0	0	27
EVERETT	2	450	528	493	277	216	35	20	15	393	201	192	1	1	0	0	0	0	135
FAIRHAVEN	0	109	181	175	82	93	6	1	5	227	112	115	4	1	3	2	1	1	-46
FALL RIVER	2006	1506	1380	1283	641	642	97	44	53	1061	530	531	7	6	1	4	4	0	319
FALMOUTH	554	345	312	296	167	129	16	7	9	278	142	136	2	1	1	2	1	1	34

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
FITCHBURG	776	489	589	556	281	275	33	14	19	429	182	247	4	0	4	1	0	1	160
FLORIDA	0	1	9	9	7	2	0	0	0	8	5	3	0	0	0	0	0	0	1
FOXBOROUGH	0	25	172	164	82	82	8	3	5	102	53	49	2	1	1	1	0	1	70
FRAMINGHAM	1996	775	741	706	353	353	35	20	15	549	238	311	7	3	4	4	1	3	192
FRANKLIN	0	38	296	278	151	127	18	7	11	144	67	77	4	0	4	4	0	4	152
FREETOWN	0	10	97	94	46	48	3	2	1	58	33	25	0	0	0	0	0	0	39
GARDNER	334	343	251	236	131	105	15	6	9	219	120	99	2	1	1	0	0	0	32
GAY HEAD	0	0	1	1	1	0	0	0	0	2	0	2	0	0	0	0	0	0	-1
GEORGETOWN	0	8	87	79	42	37	8	4	4	42	22	20	0	0	0	0	0	0	45
GILL	0	3	18	17	11	6	1	0	1	8	4	4	1	0	1	1	0	1	10
GLOUCESTER	349	283	442	424	215	209	18	6	12	280	129	151	3	1	2	2	0	2	162
GOSHEN	1	1	9	9	4	5	0	0	0	8	5	3	0	0	0	0	0	0	1
GOSHOLD	0	0	3	3	1	2	0	0	0	1	1	0	0	0	0	0	0	0	2
GRAFTON	2	18	213	205	108	97	8	5	3	104	49	55	0	0	0	0	0	0	109
GRANBY	0	13	61	58	31	27	3	1	2	35	20	15	0	0	0	0	0	0	26
GRANVILLE	0	1	15	14	7	7	1	0	1	12	8	4	0	0	0	0	0	0	3
GREAT BARRINGTON	103	172	82	76	39	37	6	2	4	99	44	55	0	0	0	0	0	0	-17
GREENFIELD	842	280	234	222	121	101	12	3	9	199	84	115	3	0	3	1	0	1	35
GROTON	2	18	97	95	56	39	2	0	2	42	19	23	1	0	1	1	0	1	55
GROVELAND	0	2	84	81	37	44	3	1	2	28	16	12	1	1	0	0	0	0	56
HADLEY	0	11	56	55	23	32	1	0	1	38	22	16	1	0	1	1	0	1	18
HALIFAX	0	8	84	82	46	36	2	1	1	51	30	21	1	1	0	0	0	0	33
HAMILTON	0	5	108	103	55	48	5	3	2	34	15	19	0	0	0	0	0	0	74
HAMPDEN	0	16	62	57	25	32	5	3	2	30	15	15	0	0	0	0	0	0	32

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
HANCOCK	0	0	9	9	4	5	0	0	0	3	2	1	0	0	0	0	0	0	6
HANOVER	1	15	146	140	82	58	6	3	3	73	43	30	1	1	0	1	1	0	73
HANSON	0	34	146	136	68	68	10	6	4	51	26	25	1	1	0	1	1	0	95
HARDWICK	0	8	37	37	16	21	0	0	0	34	16	18	1	1	0	1	1	0	3
HARVARD	1	15	49	45	19	26	4	3	1	27	17	10	0	0	0	0	0	0	22
HARWICH	1	40	90	81	50	31	9	5	4	147	75	72	1	1	0	1	1	0	-57
HATFIELD	0	5	30	29	16	13	1	1	0	31	17	14	0	0	0	0	0	0	-1
HAVERHILL	553	662	751	715	358	357	36	18	18	567	267	300	8	4	4	7	4	3	184
HAWLEY	0	0	3	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
HEATH	0	2	13	13	7	6	0	0	0	2	1	1	1	0	1	0	0	0	11
HINGHAM	1	64	216	209	107	102	7	3	4	143	62	81	0	0	0	0	0	0	73
HINSDALE	0	13	24	24	16	8	0	0	0	27	11	16	0	0	0	0	0	0	-3
HOLBROOK	0	10	120	110	54	56	10	3	7	92	45	47	2	0	2	2	0	2	28
HOLDEN	1	158	164	152	77	75	12	6	6	113	56	57	1	1	0	0	0	0	51
HOLLAND	0	3	27	26	8	18	1	1	0	8	5	3	0	0	0	0	0	0	19
HOLLISTON	1	7	163	159	95	64	4	1	3	53	20	33	0	0	0	0	0	0	110
HOLYOKE	1120	1045	749	690	351	339	59	25	34	653	275	378	10	8	2	7	5	2	96
HOPEDALE	1	23	52	51	18	33	1	0	1	36	20	16	0	0	0	0	0	0	16
HOPKINTON	0	5	149	143	75	68	6	2	4	55	33	22	3	1	2	1	0	1	94
HUBBARDSTON	1	0	34	32	19	13	2	1	1	10	8	2	1	1	0	0	0	0	24
HUDSON	0	24	254	238	118	120	16	10	6	106	52	54	1	0	1	1	0	1	148
HULL	0	20	151	136	68	68	15	8	7	92	53	39	3	2	1	2	2	0	59
HUNTINGTON	0	4	35	34	19	15	1	1	0	20	7	13	0	0	0	0	0	0	15
IPSWICH	1	33	154	152	69	83	2	1	1	102	56	46	0	0	0	0	0	0	52

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
KINGSTON	1	16	112	104	42	62	8	3	5	71	42	29	3	1	2	2	1	1	41
LAKEVILLE	0	44	74	69	35	34	5	1	4	57	28	29	2	0	2	1	0	1	17
LANCASTER	0	17	88	84	42	42	4	1	3	34	16	18	0	0	0	0	0	0	54
LANESBOROUGH	0	5	26	23	13	10	3	3	0	28	15	13	0	0	0	0	0	0	-2
LAWRENCE	1520	761	1303	1224	619	605	79	41	38	758	398	360	21	14	7	12	11	1	545
LEE	0	25	73	70	41	29	3	0	3	57	27	30	0	0	0	0	0	0	16
LEICESTER	0	15	118	113	56	57	5	3	2	89	46	43	0	0	0	0	0	0	29
LENOX	1	76	75	70	34	36	5	2	3	72	24	48	0	0	0	0	0	0	3
LEOMINSTER	1020	284	509	482	260	222	27	12	15	309	151	158	3	3	0	2	2	0	200
LEVERETT	1	1	23	23	13	10	0	0	0	4	1	3	0	0	0	0	0	0	19
LEXINGTON	1	143	240	227	114	113	13	6	7	248	118	130	4	2	2	2	1	1	-8
LEYDEN	0	0	10	9	5	4	1	0	1	0	0	0	0	0	0	0	0	0	10
LINCOLN	0	13	48	45	16	29	3	1	2	40	19	21	0	0	0	0	0	0	8
LITTLETON	1	26	92	88	42	46	4	3	1	63	30	33	1	1	0	0	0	0	29
LONGMEADOW	0	66	136	132	70	62	4	1	3	168	73	95	1	0	1	1	0	1	-32
LOWELL	2495	1413	1719	1617	822	795	102	52	50	1045	521	524	20	14	6	12	7	5	674
LUDLOW	1	151	178	170	88	82	8	5	3	155	81	74	2	1	1	0	0	0	23
LUNENBURG	0	5	128	117	62	55	11	6	5	54	29	25	0	0	0	0	0	0	74
LYNN	1070	1068	1317	1234	662	572	83	51	32	998	522	476	11	7	4	7	5	2	319
LYNNFIELD	0	10	111	109	62	47	2	2	0	87	46	41	0	0	0	0	0	0	24
MALDEN	1574	458	718	681	344	337	37	18	19	560	295	265	5	4	1	4	3	1	158
MANCHESTER	0	13	44	44	15	29	0	0	0	38	16	22	0	0	0	0	0	0	6
MANSFIELD	0	17	241	233	123	110	8	4	4	84	47	37	0	0	0	0	0	0	157
MARBLEHEAD	2	102	188	184	96	88	4	1	3	183	74	109	0	0	0	0	0	0	5

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
MARION	0	12	37	35	21	14	2	1	1	34	19	15	0	0	0	0	0	0	3
MARLBOROUGH	5	341	449	425	219	206	24	13	11	273	118	155	1	0	1	1	0	1	176
MARSHFIELD	0	36	329	322	171	151	7	4	3	151	91	60	1	1	0	1	1	0	178
MASHPEE	0	31	72	66	35	31	6	1	5	48	24	24	1	1	0	0	0	0	24
MATTAPOISETT	1	16	64	64	40	24	0	0	0	40	18	22	0	0	0	0	0	0	24
MAYNARD	1	18	175	163	91	72	12	6	6	99	43	56	4	2	2	4	2	2	76
MEDFIELD	2	15	137	132	66	66	5	4	1	62	31	31	1	1	0	1	1	0	75
MEDFORD	5	348	706	661	318	343	45	24	21	626	278	348	7	3	4	7	3	4	80
MEDWAY	0	23	163	160	86	74	3	2	1	50	25	25	1	1	0	1	1	0	113
MELROSE	1355	479	368	353	182	171	15	8	7	312	131	181	2	1	1	2	1	1	56
MENDON	0	3	29	28	16	12	1	1	0	18	10	8	0	0	0	0	0	0	11
MERRIMAC	1	0	64	63	35	28	1	1	0	35	23	12	1	1	0	0	0	0	29
METHUEN	1239	685	543	515	263	252	28	15	13	418	207	211	9	5	4	6	4	2	125
MIDDLEBOROUGH	3	207	285	263	121	142	22	12	10	179	86	93	1	0	1	1	0	1	106
MIDDLEFIELD	0	0	5	5	1	4	0	0	0	2	1	1	0	0	0	0	0	0	3
MIDDLETON	0	8	60	55	27	28	5	1	4	35	20	15	0	0	0	0	0	0	25
MI ORD	430	307	350	331	157	174	19	7	12	241	123	118	3	2	1	0	0	0	109
MILLBURY	0	22	134	127	69	58	7	3	4	111	53	58	0	0	0	0	0	0	23
MILLIS	0	10	121	116	60	56	5	4	1	43	30	13	2	1	1	2	1	1	78
MILLVILLE	0	1	22	21	13	8	1	0	1	16	9	7	0	0	0	0	0	0	6
MILTON	1	340	303	285	158	127	18	15	3	284	134	150	1	0	1	1	0	1	19
MONROE	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
MONSON	3	8	90	87	46	41	3	1	2	59	29	30	0	0	0	0	0	0	31
MONTAGUE	2	102	145	137	66	71	8	2	6	85	38	47	0	0	0	0	0	0	60

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
MONTERY	0	2	10	10	6	4	0	0	0	7	3	4	0	0	0	0	0	0	3
MONTGOMERY	0	0	6	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6
MOUNT WASHINGTON	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	-2
NAHANT	1	24	28	27	13	14	1	1	0	47	21	26	0	0	0	0	0	0	-19
NANTUCKET	81	55	87	84	48	36	3	3	0	59	23	36	0	0	0	0	0	0	28
NATICK	607	332	419	400	210	190	19	12	7	262	123	139	2	1	1	2	1	1	157
NEEDHAM	2	222	331	319	176	143	12	6	6	233	100	133	0	0	0	0	0	0	98
NEW ASHFORD	0	1	2	2	0	2	0	0	0	2	2	0	0	0	0	0	0	0	0
NEW BEDFORD	2013	1333	1473	1378	710	668	95	36	59	1152	546	606	12	8	4	5	4	1	321
NEW BRAINTREE	0	1	16	13	5	8	3	2	1	4	4	0	1	1	0	0	0	0	12
NEW MARLBOROUGH	0	2	13	11	5	6	2	0	2	14	9	5	0	0	0	0	0	0	-1
NEW SALEM	0	1	6	5	4	1	1	1	0	3	1	2	0	0	0	0	0	0	3
NEWBURY	3	5	85	83	45	38	2	1	1	53	30	23	0	0	0	0	0	0	32
NEWBURYPORT	756	309	214	204	119	85	10	4	6	169	69	100	0	0	0	0	0	0	45
NEWTON	2072	722	820	776	406	370	44	17	27	748	332	416	3	0	3	1	0	1	72
NORFOLK	0	183	103	99	58	41	4	1	3	21	13	8	0	0	0	0	0	0	82
NORTH ADAMS	421	354	244	222	119	103	22	9	13	247	122	125	5	2	3	1	0	1	-3
NORTH ANDOVER	1	76	241	236	133	103	5	4	1	173	74	99	2	1	1	2	1	1	68
NORTH ATTLEBORO	0	50	321	306	168	138	15	8	7	161	75	86	7	5	2	6	4	2	160
NORTH BROOKFIELD	1	8	78	76	36	40	2	0	2	47	25	22	0	0	0	0	0	0	31
NORTH READING	1	26	151	148	90	58	3	2	1	65	30	35	0	0	0	0	0	0	86
NORTHAMPTON	1205	607	296	281	131	150	15	5	10	294	145	149	2	0	2	2	0	2	2
NORTHBOROUGH	0	28	150	145	81	64	5	3	2	55	28	27	1	1	0	1	1	0	95
NORTHBRIDGE	5	108	195	187	102	85	8	4	4	112	67	45	2	2	0	2	2	0	83

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
NORTHFIELD	2	4	36	35	25	10	1	0	1	20	9	11	0	0	0	0	0	0	16
NORTON	0	34	181	171	85	86	10	6	4	69	36	33	1	0	1	0	0	0	112
NORWELL	0	37	114	109	47	62	5	4	1	72	33	39	0	0	0	0	0	0	42
NORWOOD	786	620	327	308	160	148	19	10	9	317	154	163	5	3	2	5	3	2	10
OAK BLUFFS	162	76	41	37	20	17	4	3	1	32	19	13	1	1	0	1	1	0	9
OAKHAM	0	4	13	13	9	4	0	0	0	7	3	4	0	0	0	0	0	0	6
ORANGE	1	17	94	90	44	46	4	2	2	68	40	28	1	0	1	1	0	1	26
ORLEANS	0	47	41	40	22	18	1	0	1	85	43	42	0	0	0	0	0	0	-44
OTIS	0	0	18	17	11	6	1	0	1	5	4	1	0	0	0	0	0	0	13
OXFORD	1	20	153	143	78	65	10	4	6	87	45	42	2	2	0	1	1	0	66
PALMER	0	131	165	156	82	74	9	6	3	133	63	70	4	3	1	2	2	0	32
PAXTON	0	0	24	24	13	11	0	0	0	18	10	8	0	0	0	0	0	0	6
PEABODY	0	252	547	527	253	274	20	11	9	406	204	202	6	4	2	6	4	2	141
PELHAM	0	2	16	13	10	3	3	3	0	5	4	1	1	1	0	1	1	0	11
PEMBROKE	1	22	226	216	103	113	10	3	7	79	42	37	3	0	3	2	0	2	147
PEPPERELL	2	10	170	159	77	82	11	2	9	40	22	18	1	1	0	0	0	0	130
PERU	0	0	5	5	2	3	0	0	0	4	4	0	0	0	0	0	0	0	1
PETERSHAM	0	0	11	10	6	4	1	0	1	7	5	2	0	0	0	0	0	0	4
PHILLIPSTON	0	3	10	9	4	5	1	0	1	9	4	5	0	0	0	0	0	0	1
PITTSFIELD	1415	781	679	642	341	301	37	19	18	536	248	288	5	3	2	3	2	1	143
PLAINFIELD	0	1	5	5	1	4	0	0	0	3	1	2	0	0	0	0	0	0	2
PLAINVILLE	0	10	86	81	35	46	5	2	3	47	26	21	0	0	0	0	0	0	39
PLYMOUTH	747	489	575	531	259	272	44	21	23	341	159	182	3	2	1	2	1	1	234
PLYMPTON	0	2	40	39	12	27	1	1	0	6	3	3	0	0	0	0	0	0	34

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
PRINCETON	0	5	48	48	28	20	0	0	0	10	6	4	0	0	0	0	0	0	38
PROVINCETOWN	1	32	37	33	19	14	4	1	3	51	28	23	0	0	0	0	0	0	-14
QUINCY	885	843	989	922	455	467	67	28	39	1029	517	512	14	10	4	9	7	2	-40
RANDOLPH	0	79	338	317	176	141	21	7	14	264	132	132	2	1	1	2	1	1	74
RAYNHAM	0	12	104	100	44	56	4	2	2	68	36	32	1	1	0	1	1	0	36
READING	0	36	304	287	151	136	17	8	9	169	77	92	2	0	2	1	0	1	135
REHOBOTH	2	8	91	87	45	42	4	0	4	47	30	17	0	0	0	0	0	0	44
REVERE	0	163	451	430	216	214	21	10	11	458	224	234	2	1	1	2	1	1	-7
RICHMOND	0	3	16	15	10	5	1	0	1	9	6	3	0	0	0	0	0	0	7
ROCHESTER	0	2	41	40	19	21	1	0	1	18	9	9	0	0	0	0	0	0	23
ROCKLAND	0	85	287	271	143	128	16	8	8	117	55	62	1	0	1	1	0	1	170
ROCKPORT	0	33	96	93	44	49	3	1	2	84	36	48	0	0	0	0	0	0	12
ROWE	1	0	5	5	2	3	0	0	0	6	1	5	0	0	0	0	0	0	-1
ROWLEY	0	8	67	64	38	26	3	2	1	26	14	12	1	1	0	1	1	0	41
ROYALSTON	1	4	16	14	6	8	2	0	2	6	4	2	0	0	0	0	0	0	10
RUSSELL	0	5	25	23	11	12	2	0	2	8	5	3	0	0	0	0	0	0	17
RUTLAND	0	8	54	51	29	22	3	1	2	27	14	13	0	0	0	0	0	0	27
SALEM	1285	656	524	503	247	256	21	11	10	418	195	223	4	3	1	2	2	0	106
SALISBURY	1	17	93	90	46	44	3	2	1	71	40	31	1	1	0	1	1	0	22
SANDISFIELD	0	10	1	1	0	1	0	0	0	14	8	6	0	0	0	0	0	0	-13
SANDWICH	0	14	135	129	68	61	6	2	4	85	50	35	1	1	0	1	1	0	50
SAUGUS	0	64	264	259	115	144	5	3	2	212	126	86	0	0	0	0	0	0	52
SAVOY	0	0	7	7	3	4	0	0	0	5	1	4	0	0	0	0	0	0	2
SCITUATE	1	73	233	220	116	104	13	5	8	151	62	89	5	3	2	4	3	1	82

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
SEEKONK	0	15	149	139	85	54	10	5	5	109	50	59	1	0	1	1	0	1	40
SHARON	1	46	181	180	95	85	1	1	0	97	41	56	1	1	0	0	0	0	84
SHEFFIELD	0	8	29	29	10	19	0	0	0	19	13	6	0	0	0	0	0	0	10
SHELBURNE	0	13	27	23	14	9	4	1	3	29	10	19	0	0	0	0	0	0	-2
SHERBORN	0	3	48	46	24	22	2	1	1	13	6	7	0	0	0	0	0	0	35
SHIRLEY	2	5	73	69	34	35	4	2	2	32	17	15	1	1	0	0	0	0	41
SHREWSBURY	1	61	267	260	140	120	7	5	2	189	91	98	1	0	1	1	0	1	78
SHUTESBURY	1	0	21	19	14	5	2	2	0	2	0	2	0	0	0	0	0	0	19
SOMERSET	0	45	138	132	71	61	6	3	3	183	89	94	3	1	2	3	1	2	-45
SOMERVILLE	6	468	998	932	479	453	66	32	34	842	425	417	4	2	2	2	2	0	156
SOUTH HADLEY	0	31	149	144	76	68	5	3	2	161	84	77	0	0	0	0	0	0	-12
SOUTHAMPTON	1	8	71	65	36	29	6	2	4	31	18	13	1	0	1	1	0	1	40
SOUTHBOROUGH	0	10	61	57	24	33	4	1	3	35	23	12	0	0	0	0	0	0	26
SOUTHBRIDGE	497	292	250	231	108	123	19	5	14	215	105	110	3	1	2	1	0	1	35
SOUTHWICK	0	12	126	121	59	62	5	3	2	37	19	18	1	1	0	1	1	0	89
SPENCER	0	13	167	158	87	71	9	6	3	89	48	41	4	1	3	2	0	2	78
SPRINGFIELD	5681	2391	2612	2401	1262	1139	211	97	114	1563	744	819	34	16	18	24	11	13	1049
STERLING	0	5	91	83	46	37	8	5	3	30	13	17	0	0	0	0	0	0	61
STOCKBRIDGE	0	9	20	20	11	9	0	0	0	24	11	13	0	0	0	0	0	0	-4
STONEHAM	1030	288	255	243	139	104	12	5	7	206	113	93	4	4	0	2	2	0	49
STOUGHTON	2239	523	306	287	147	140	19	11	8	239	124	115	5	1	4	3	1	2	67
STOW	0	4	63	60	33	27	3	0	3	27	18	9	1	0	1	1	0	1	36
STURBRIDGE	1	12	77	74	38	36	3	2	1	36	18	18	2	2	0	2	2	0	41
SUDBURY	0	37	148	141	66	75	7	5	2	77	27	50	0	0	0	0	0	0	71

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
SUNDERLAND	1	16	38	37	22	15	1	1	0	17	10	7	0	0	0	0	0	0	21
SUTTON	1	8	98	93	46	47	5	2	3	33	14	19	1	1	0	0	0	0	65
SWAMPSCOTT	0	48	152	148	72	76	4	2	2	169	79	90	0	0	0	0	0	0	-17
SWANSEA	1	33	176	165	77	88	11	5	6	132	64	68	0	0	0	0	0	0	44
TAUNTON	687	383	720	688	351	337	32	19	13	412	222	190	7	5	2	4	4	0	308
TEMPLETON	1	23	53	50	21	29	3	1	2	63	38	25	1	0	1	0	0	0	-10
TEWKSBURY	1	215	329	311	164	147	18	10	8	152	90	62	3	1	2	3	1	2	177
TISBURY	0	15	38	33	19	14	5	3	2	47	14	33	1	1	0	1	1	0	-9
TOLLAND	0	0	1	1	1	0	0	0	0	2	0	2	0	0	0	0	0	0	-1
TOPSFIELD	0	4	64	61	36	25	3	2	1	25	11	14	1	1	0	1	1	0	39
TOWNSEND	0	13	145	136	74	62	9	5	4	51	27	24	3	3	0	2	2	0	94
TRURO	0	8	27	26	11	15	1	1	0	20	9	11	0	0	0	0	0	0	7
TYNGSBOROUGH	0	5	135	130	71	59	5	3	2	34	21	13	2	2	0	2	2	0	101
TRYINGHAM	0	3	5	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	5
UPTON	0	8	48	47	23	24	1	1	0	33	13	20	0	0	0	0	0	0	15
UXBRIDGE	2	12	115	108	63	45	7	4	3	72	42	30	3	1	2	3	1	2	43
WAKEFIELD	0	90	326	319	153	166	7	3	4	243	129	114	2	1	1	1	1	0	83
WALES	1	1	11	10	5	5	1	0	1	9	4	5	0	0	0	0	0	0	2
WALPOLE	0	22	222	211	108	103	11	4	7	129	68	61	2	2	0	2	2	0	93
WALTHAM	880	610	626	596	306	290	30	21	9	516	233	283	5	1	4	4	0	4	110
WARE	310	137	123	113	57	56	10	5	5	88	53	35	1	1	0	1	1	0	35
WAREHAM	129	236	245	229	119	110	16	8	8	205	106	99	1	1	0	0	0	0	40
WARREN	0	3	53	46	23	23	7	5	2	38	19	19	0	0	0	0	0	0	15
WAPWICK	1	0	11	11	5	6	0	0	0	3	2	1	0	0	0	0	0	0	8

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
	BIRTHS	DEATHS	BIRTH TOTAL	---MATURE---- TOTAL	MALE	FEMALE	IMMATURE TOTAL	MALE	FEML	----ALL DEATHS---- TOTAL	MALE	FEMALE	----INFANT---- TOTL	MALE	FEML	---NEONATAL-- TOTL	MALE	FEML	NATURAL INCREASE
WASHINGTON	0	9	6	6	3	3	0	0	0	10	5	5	0	0	0	0	0	0	-4
WATERTOWN	4	95	401	376	191	185	25	15	10	375	176	199	0	0	0	0	0	0	26
WAYLAND	2	34	136	131	69	62	5	1	4	59	23	36	1	1	0	1	1	0	77
WEBSTER	3	243	185	172	105	67	13	8	5	187	106	81	0	0	0	0	0	0	-2
WELLESLEY	2	107	257	240	116	124	17	11	6	206	85	121	4	3	1	2	2	0	51
WELLFLEET	0	8	31	31	17	14	0	0	0	31	15	16	0	0	0	0	0	0	0
WENDELL	0	0	12	12	6	6	0	0	0	1	1	0	0	0	0	0	0	0	11
WENHAM	0	4	31	31	16	15	0	0	0	29	13	16	1	1	0	1	1	0	2
WEST BOYLSTON	0	23	61	59	33	26	2	2	0	61	28	33	1	1	0	0	0	0	0
WEST BRIDGEWATER	0	9	78	68	38	30	10	4	6	53	30	23	1	0	1	0	0	0	25
WEST BROOKFIELD	0	49	42	40	12	28	2	0	2	40	16	24	1	0	1	1	0	1	2
WEST NEWBURY	2	2	43	42	25	17	1	1	0	8	5	3	1	1	0	1	1	0	35
WEST SPRINGFIELD	1	91	311	291	158	133	20	9	11	269	126	143	4	4	0	4	4	0	42
WEST STOCKBRIDGE	0	3	12	12	9	3	0	0	0	7	3	4	0	0	0	0	0	0	5
WEST TISBURY	1	0	28	28	11	17	0	0	0	3	1	2	0	0	0	0	0	0	25
WESTBOROUGH	0	42	152	145	77	68	7	5	2	85	39	46	0	0	0	0	0	0	67
WESTFIELD	1	438	514	489	257	232	25	14	11	301	151	150	6	3	3	2	1	1	213
WESTFORD	1	17	206	199	106	93	7	1	6	68	34	34	0	0	0	0	0	0	138
WESTHAMPTON	0	1	16	13	4	9	3	1	2	5	2	3	0	0	0	0	0	0	11
WESTMINSTER	0	4	63	56	28	28	7	3	4	44	27	17	0	0	0	0	0	0	19
WESTON	1	34	91	89	41	48	2	0	2	75	35	40	1	0	1	0	0	0	16
WESTPORT	0	25	140	133	64	69	7	4	3	106	63	43	1	1	0	1	1	0	34
WESTWOOD	2	10	137	131	64	67	6	1	5	90	42	48	0	0	0	0	0	0	47
WEYMOUTH	2056	798	679	637	340	297	42	18	24	543	261	282	9	4	5	5	3	2	136

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
WHATELY	0	0	17	17	12	5	0	0	0	15	6	9	0	0	0	0	0	0	2
WHITMAN	0	27	242	232	132	100	10	6	4	88	51	37	0	0	0	0	0	0	154
WILBRAHAM	0	10	117	112	45	67	5	2	3	86	52	34	2	1	1	2	1	1	31
WILLIAMSBURG	2	0	32	31	16	15	1	0	1	13	6	7	0	0	0	0	0	0	19
WILLIAMSTOWN	0	65	68	62	35	27	6	5	1	68	32	36	0	0	0	0	0	0	0
WILMINGTON	0	39	231	212	114	98	19	8	11	107	55	52	1	0	1	1	0	1	124
WINCHENDON	0	20	110	106	58	48	4	2	2	80	48	32	1	0	1	1	0	1	30
WINCHESTER	1469	353	220	206	114	92	14	5	9	189	93	96	3	2	1	3	2	1	31
WINDSOR	0	5	12	12	6	6	0	0	0	3	1	2	0	0	0	0	0	0	9
WINTHROP	0	242	169	167	89	78	2	2	0	205	110	95	1	1	0	0	0	0	-36
WOBURN	4	253	508	483	259	224	25	16	9	289	149	140	8	5	3	7	5	2	219
WORCESTER	5773	3243	2405	2228	1133	1095	177	80	97	1919	969	950	27	16	11	19	9	10	486
WORTHINGTON	0	0	14	14	11	3	0	0	0	10	6	4	0	0	0	0	0	0	4
WRENTHAM	1	48	116	113	57	56	3	2	1	75	33	42	1	1	0	0	0	0	41
YARMOUTH	2	106	189	182	83	99	7	0	7	278	152	126	1	1	0	0	0	0	-89
STATE TOTAL	79752	55941	78198	73519	37924	35595	4679	2220	2459	55189	27256	27933	699	400	299	472	275	197	23009

TOTAL RESIDENT MALE BIRTHS INCLUDE 0 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 0 DEATHS OF UNKNOWN SEX

TABLE A-5B
BIRTHS AND DEATHS BY COUNTY OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
COUNTY																			
BARNSTABLE	1714	1880	1967	1865	979	886	102	43	59	2017	1045	972	15	10	5	9	5	4	-50
BERKSHIRE	1941	1627	1728	1621	864	757	107	52	55	1551	751	800	12	7	5	5	3	2	177
BRISTOL	5721	4251	6607	6222	3203	3019	385	173	212	4684	2380	2304	51	33	18	33	25	8	1923
DUKES	163	100	173	162	89	73	11	8	3	115	51	64	2	2	0	2	2	0	58
ESSEX	8666	6242	9153	8730	4452	4278	423	227	196	6567	3234	3333	83	53	30	57	42	15	2586
FRANKLIN	858	479	889	844	456	388	45	17	28	566	280	306	7	0	7	4	0	4	303
HAMPDEN	6812	4690	6355	5915	3064	2851	440	210	230	4439	2122	2317	75	42	33	49	30	19	1916
HAMPSHIRE	1524	904	1493	1409	735	674	84	35	49	1052	555	497	7	2	5	7	2	5	441
MIDDLESEX	16864	11396	17722	16774	8618	8156	948	469	479	11969	5766	6203	142	77	65	99	53	46	5753
NANTUCKET	81	55	87	84	48	36	3	3	0	59	23	36	0	0	0	0	0	0	28
NORFOLK	5993	4730	7142	6773	3523	3250	369	175	194	5592	2699	2893	64	37	27	48	29	19	1550
PLYMOUTH	2116	3073	6192	5818	2966	2852	374	177	197	3509	1771	1738	58	32	26	40	22	18	2683
SUFFOLK	18444	10143	9625	8765	4520	4245	860	389	471	6751	3371	3380	107	61	46	71	37	34	2874
WORCESTER	8855	6371	9065	8537	4407	4130	528	242	286	6298	3208	3090	76	44	32	48	25	23	2767
STATE TOTAL	79752	55941	78198	73519	37924	35595	4679	2220	2459	55189	27256	27933	699	400	299	472	275	197	23009

TOTAL RESIDENT MALE BIRTHS INCLUDE 0 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 0 DEATHS OF UNKNOWN SEX

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
HSA AND SUBAREA																			
BERKSHIRE	1941	1627	1734	1627	866	761	107	52	55	1554	753	801	12	7	5	5	3	2	180
NORTHERN VALLEY	2070	1330	2062	1952	1015	937	110	40	70	1429	726	703	14	2	12	11	2	9	633
SOUTHERN VALLEY	7125	4886	6837	6361	3305	3056	476	229	247	4803	2326	2477	75	42	33	49	30	19	2034
I WESTERN MASS	11136	7843	10633	9940	5186	4754	693	321	372	7786	3805	3981	101	51	50	65	35	30	2847
NORTH	2141	1565	3292	3114	1649	1465	178	83	95	1828	924	904	27	18	9	15	11	4	1464
CENTRAL	5775	3582	3290	3081	1582	1499	209	98	111	2583	1294	1289	33	19	14	23	10	13	707
SOUTH	947	1291	3425	3236	1674	1562	189	83	106	2065	1071	994	32	18	14	23	12	11	1360
II CENTRAL MASS	8863	6438	10007	9431	4905	4526	576	264	312	6476	3289	3187	92	55	37	61	33	28	3531
GREATER LOWELL	2501	1788	3656	3449	1758	1691	207	104	103	1891	995	896	39	27	12	29	19	10	1765
GREATER LAWRENCE	2764	1567	2391	2264	1152	1112	127	66	61	1544	771	773	36	22	14	21	17	4	847
GTR HAVER-NEWBPRT	1320	1192	1796	1714	894	820	82	43	39	1178	562	616	15	9	6	12	7	5	618
III MERRIMACK	6585	4547	7843	7427	3804	3623	416	213	203	4613	2328	2285	90	58	32	62	43	19	3230
METRO CENTRAL	18456	10401	10170	9285	4780	4505	885	398	487	7337	3631	3706	109	63	46	73	39	34	2833
METRO NORTHWEST	4820	4193	5267	4965	2539	2426	302	137	165	4052	1947	2105	46	21	25	31	16	15	1215
METRO WEST	5573	3436	5629	5356	2759	2597	273	147	126	3851	1726	2125	30	11	19	19	6	13	1778
METRO SOUTHWEST	793	1082	1949	1867	955	912	82	38	44	1329	656	673	16	11	5	13	8	5	620
METRO SOUTH	2945	2639	3619	3412	1777	1635	207	98	109	3067	1486	1581	37	21	16	26	17	9	552
IV METRO	32587	21751	26634	24885	12810	12075	1749	818	931	19636	9446	10190	238	127	111	162	86	76	6998

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1984

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS *********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
HSA AND SUBAREA																			
ATTLEBORO	1011	588	1399	1321	706	615	78	38	40	660	340	320	12	8	4	9	7	2	739
BROCKTON	3469	2187	3095	2898	1511	1387	197	94	103	1844	934	910	33	18	15	22	12	10	1251
PLYMOUTH	751	751	2224	2102	1062	1040	122	56	66	1084	570	514	18	9	9	13	6	7	1140
TAUNTON-MIDDLEBORO	692	693	1526	1445	737	708	81	42	39	940	491	449	14	7	7	10	6	4	586
FALL RIVER	2007	1619	1931	1807	899	908	124	58	66	1540	779	761	11	8	3	8	6	2	391
NEW BEDFORD	2015	1595	2115	1989	1010	979	126	48	78	1796	895	901	17	10	7	8	6	2	319
CAPE COD	2087	2271	2469	2337	1234	1103	132	62	70	2395	1224	1171	18	13	5	11	7	4	74
V SOUTH SHORE	12032	9704	14759	13899	7159	6740	860	398	462	10259	5233	5026	123	73	50	81	50	31	4500
CAPE ANN	1537	896	1476	1424	711	713	52	27	25	1015	478	537	9	6	3	7	5	2	461
DANVERS-SALEM	1974	1373	1618	1551	771	780	67	32	35	1317	629	688	12	9	3	10	8	2	301
GREATER LYNN	1071	1214	1872	1777	924	853	95	59	36	1513	794	719	11	7	4	7	5	2	359
EASTERN MIDDLESEX	2386	919	1404	1350	715	635	54	26	28	995	480	515	10	6	4	6	4	2	409
TRI-CITIES	1581	1256	1952	1835	939	896	117	62	55	1579	774	805	13	8	5	11	6	5	373
VI NORTH SHORE	8549	5658	8322	7937	4060	3877	385	206	179	6419	3155	3264	55	36	19	41	28	13	1903
STATE TOTAL	79752	55941	78198	73519	37924	35595	4679	2220	2459	55189	27256	27933	699	400	299	472	275	197	23009

TOTAL RESIDENT MALE BIRTHS INCLUDE 0 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 0 DEATHS OF UNKNOWN SEX

NATALITY

SECTION B

NATALITY

The number of births to Massachusetts residents increased 2.9% in 1984 to 78,198. This continued seven consecutive years of increase from the 1976 low of 65,947 births. Of the births registered in Massachusetts in 1984, 99.3% occurred in hospitals. Fifty-eight hospitals operated maternity units during 1984. The number of births varied from a low of 80 at Nantucket Cottage Hospital to 8,772 births at Brigham and Women's Hospital in Boston. The median number of births per hospital was 1,066, slightly lower than the 1983 median of 1,088. Four of the hospitals continued to account for more than 25% of the births occurring in the Commonwealth. These were Brigham and Women's Hospital (8,772 births), Beth Israel (3,870), and St. Margaret's (3,057) in Boston; and Bay State Medical Center (5,614) in Springfield. The range of births delivered in Massachusetts hospitals included:

NUMBER OF BIRTHS AT HOSPITAL	NUMBER OF HOSPITALS IN CATEGORY	TOTAL NUMBER OF BIRTHS IN CATEGORY	% OF TOTAL BIRTHS
<500	11	3,269	4.1
500-999	13	9,281	11.7
1000-1499	17	19,971	25.2
1500-1999	7	12,229	15.5
≥2000	10	34,408	43.5
	58	79,198	100.0

Although there appears to be a growing interest in home births, such births accounted for only 406 births registered during 1984, considerably less than 1%. It is true that the actual number of home births exceeds this reported figure as there exists a higher possibility of delays in registration for these births. Registration may not occur until the first occasion when the child needs a birth certificate for purposes such as school entrance.

Almost 88% of the births to Massachusetts residents were white. This percentage is somewhat smaller than the percentage in the total population of 93.6% (1980 U.S. Census). There has been an increasing problem with the response rate to the race item on the birth record. The 1984 non-response rate to this item is 3.1%. Eight of the fifty-eight reporting hospitals have a non-response rate of more than 5% of the births for that hospital. We have no indication as to the racial breakdown of the non-respondents.

Births to teenage mothers accounted for 9% of total births. This represents a continuing decline in the percentage of total births (Table B-5). The age-specific fertility rate for teenagers, however, increased from 27.9 to 29.3. The overall fertility rate increased slightly from 1983 to 54.9 and remains well below the U.S. rate of 66.0 (Table B-2).

The proportion of unmarried mothers continued to increase and in 1984 represented 17.8% of total births. Almost 68% of teenage mothers were unwed, and 34% were under age 18, the legal age for marriage in Massachusetts.

The numeric increase in births from 1983 to 1984 was 2,167. The difference between 1983 and 1984 by age of mother was distributed as follows:

AGE OF MOTHER	DIFFERENCE	% CHANGE
<20	+97	+1.4
20-24	-89	-0.5
25-29	+253	+1.0
30-34	+1159	+6.8
35-39	+658	+12.8
40-44	+89	+14.1
>44	Same	None

Overall, the percentage of first-born declined slightly to 42.4 from 43.7 in 1983. However, the percentage of unknown parity increased by more than 50% to 4451.

The number of Cesarean delivered rose in 1984, but the rate per 1,000 births remained steady at 21.0. Slightly more than 60% of these deliveries were primary Cesareans (Table B-6).

More than 67% of babies born to residents weighed 3000 to 3999 grams (6.5 to 8.75 pounds) as shown in Table B-7. The percentage of immature weight babies (less than 2500 grams or five pounds eight ounces) remained at 5.9% or 4,598 of babies born in 1984. Unmarried mothers, while accounting for 17.8% of total births, delivered 29.8% of all babies of immature weight. Teenage mothers overall gave birth to a higher than average percentage of babies of immature weight. Of all births to teenage mothers, 8.9% were of immature weight.

TABLE B-1
RESIDENT BIRTHS BY SEX AND RACE
1984

RACE	TOTAL	MALE	FEMALE
	n %	n %	n %
TOTAL	78,198 100.0	40,144 51.3	38,054 48.7
WHITE	68,442 87.5	35,193 45.0	33,249 42.5
BLACK	5,420 6.9	2,713 3.5	2,707 3.5
OTHER	1,916 2.5	955 1.2	961 1.2
UNKNOWN	2,420 3.1	1,283 1.6	1,137 1.5

FIGURE B-1

MASSACHUSETTS RESIDENT BIRTHS BY RACE OF INFANT

1970 TO 1984

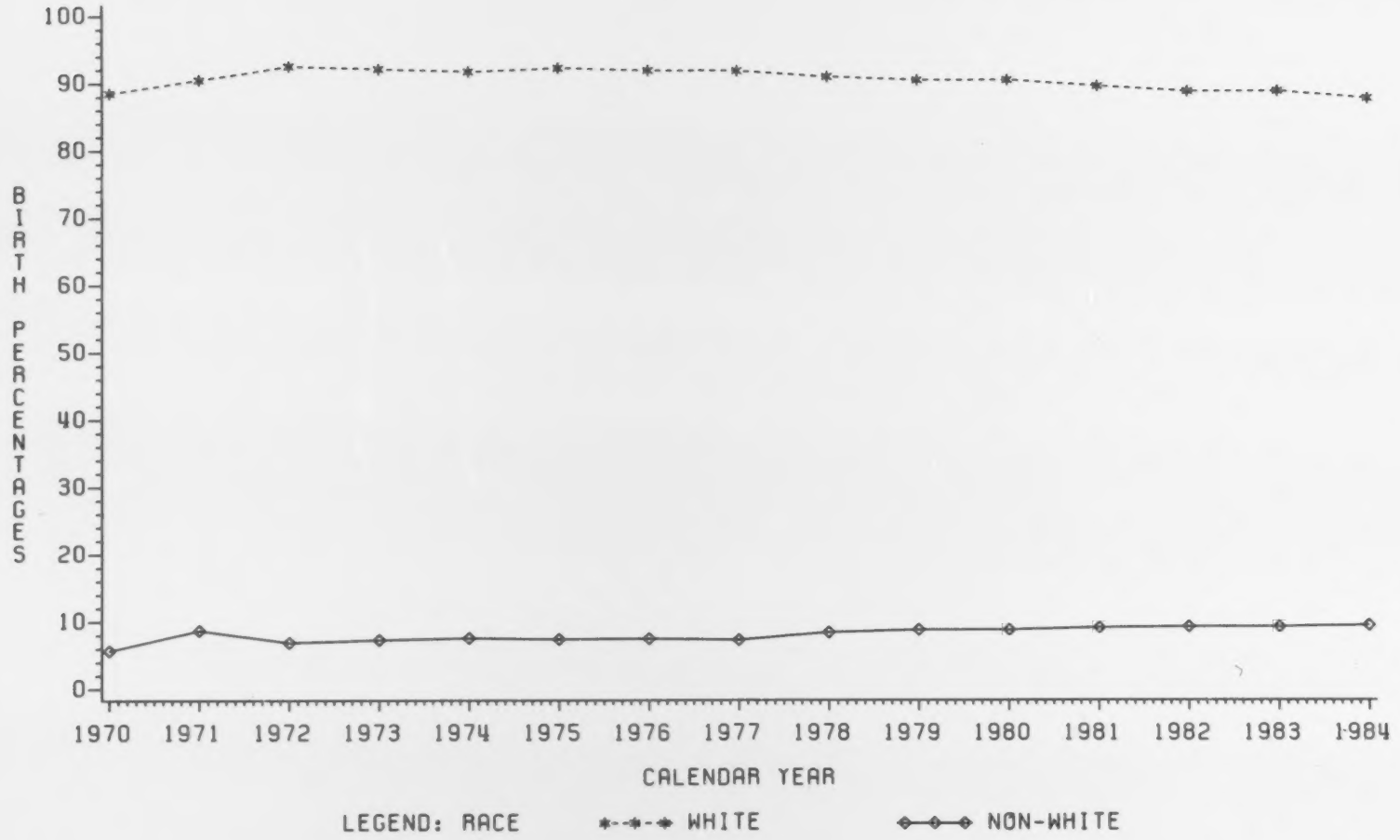


FIGURE B-2

1984 RESIDENT LIVE BIRTHS BY RACE

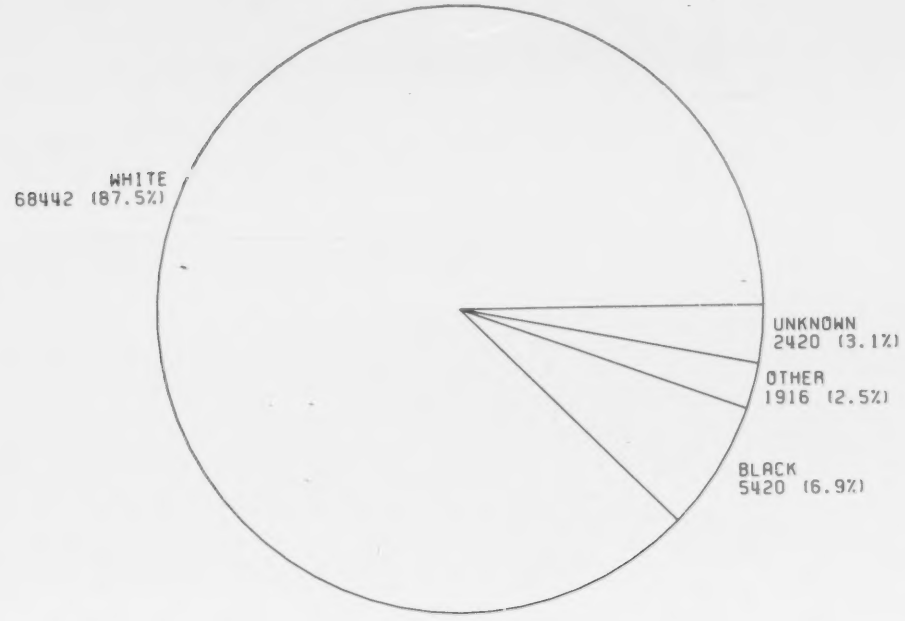


FIGURE B-3

1984 RESIDENT LIVE BIRTHS BY MOTHERS AGE

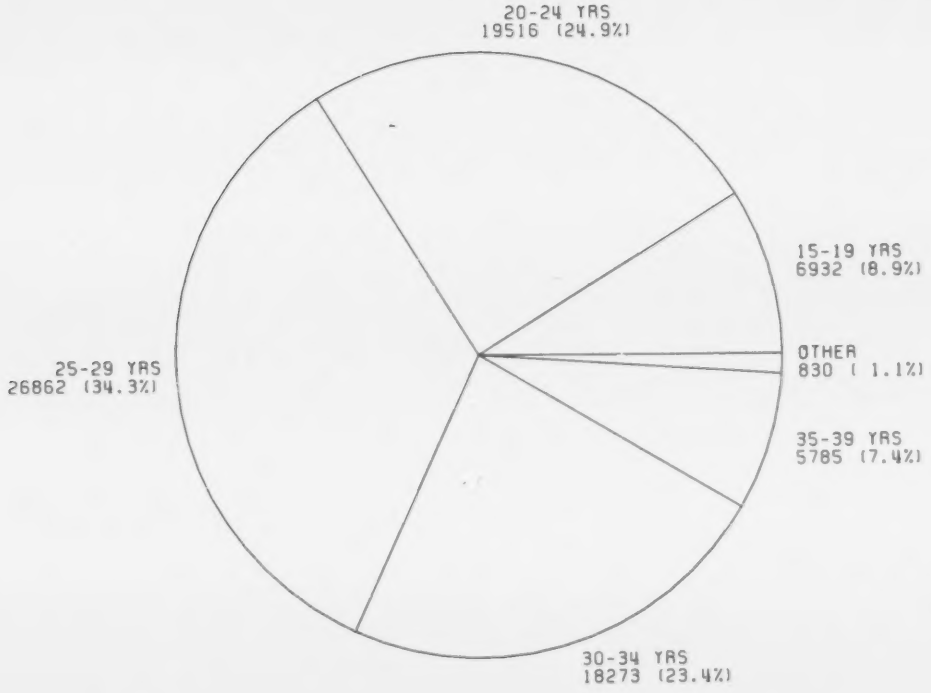


TABLE B-2
AGE-SPECIFIC BIRTH RATES AMONG MASSACHUSETTS WOMEN
1970-1984

AGE OF MOTHER	- 1984 -		- 1983 -		- 1980 -		-1970-	
	Births / 1000	Rate	Births / 1000	Rate	Births / 1000	Rate	Births / 1000	Rate
15-19	6,932 / 236.6	29.3	6,833 / 245.3	27.9	7,694 / 273.4	28.1	10,177 / 259.6	39.1
20-24	19,516 / 288.1	67.7	19,605 / 292.9	66.9	21,514 / 282.2	76.2	33,808 / 246.9	136.9
25-29	26,862 / 272.8	98.5	26,609 / 265.5	100.2	24,959 / 249.8	99.9	29,184 / 188.5	154.8
30-34	18,273 / 239.9	76.2	17,114 / 236.3	72.4	14,389 / 228.7	62.9	12,887 / 150.3	85.7
35-39	5,785 / 215.6	26.8	5,127 / 206.8	24.8	3,464 / 179.0	19.4	5,771 / 151.2	38.2
40-44	722 / 170.0	4.2	633 / 161.6	3.9	478 / 143.9	3.3	1,591 / 170.4	9.3
MASSACHUSETTS GENERAL FERTILITY RATE		54.9		53.9		53.5		80.0
UNITED STATES GENERAL FERTILITY RATE		66.0		65.4		67.7		87.9

NOTE: THE NUMERATOR OF THE BIRTHS PER THOUSAND WOMEN REPRESENTS THE NUMBER OF BIRTHS TO WOMEN IN THAT AGE GROUP. THE DENOMINATOR REPRESENTS THE NUMBER (IN THOUSANDS) OF WOMEN IN THAT AGE GROUP. THE 1983 AND 1984 DENOMINATORS ARE ESTIMATED. UNITED STATES FIGURES ARE DATA FROM THE NATIONAL CENTER FOR HEALTH STATISTICS.

FIGURE B-4

MASSACHUSETTS GENERAL FERTILITY RATES

1930 TO 1984

RATES PER THOUSAND

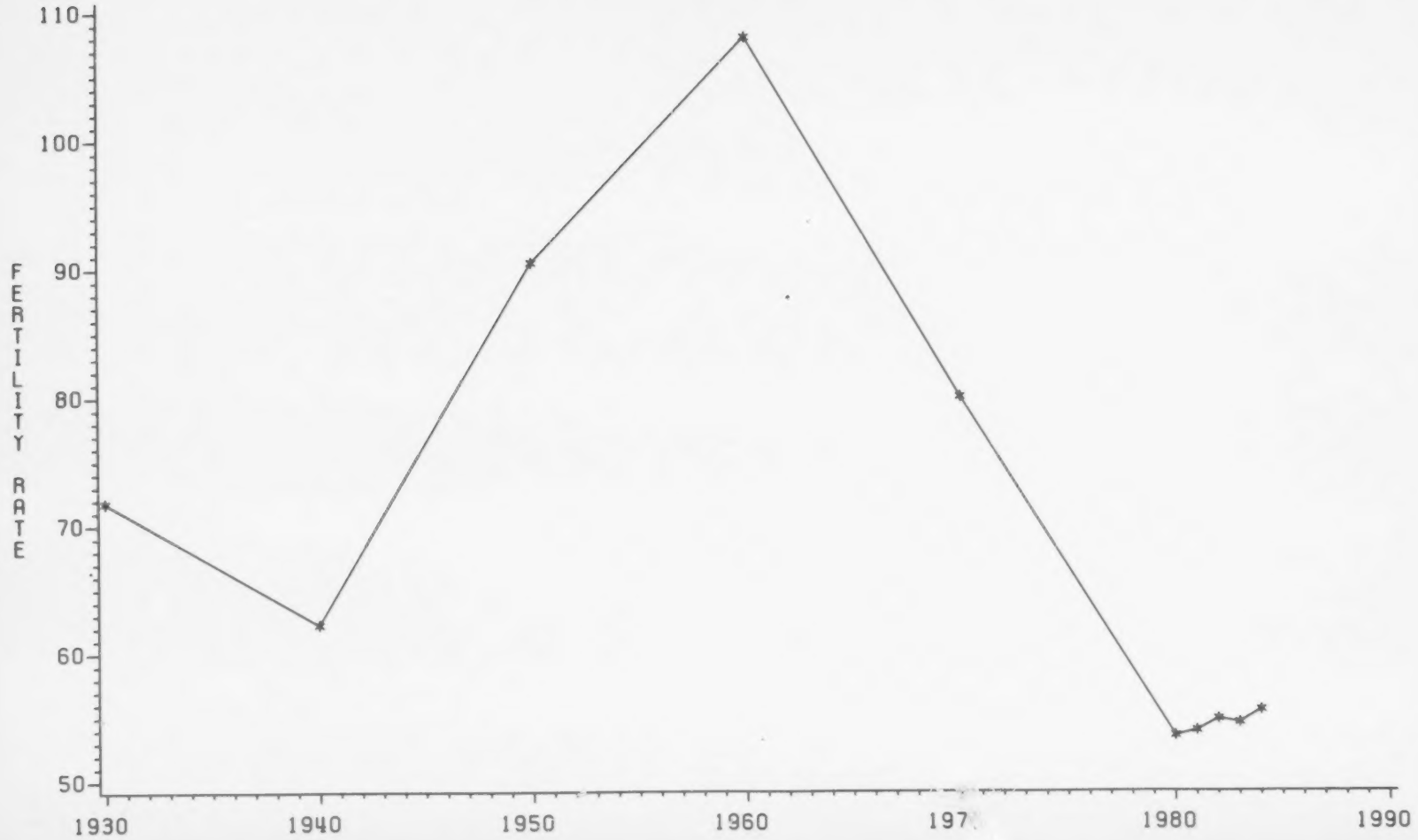


TABLE B-3
RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER
1984

AGE OF MOTHER	- TOTAL -			- WHITE -			- NON-WHITE -			- UNKNOWN -		
	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED
TOTAL*	78,198	64,249	13,949	69,138	58,800	10,338	6,512	3,506	3,006	2,548	1,943	605
UNDER 15	84	3	81	57	3	54	23	0	23	4	0	4
15	265	21	244	195	19	176	54	1	53	16	1	15
16	714	94	620	547	89	458	145	5	140	22	0	22
17	1,307	275	1,032	1,050	257	793	217	10	207	40	8	32
18	2,061	685	1,376	1,711	653	1,058	294	20	274	56	12	44
19	2,585	1,192	1,393	2,206	1,106	1,100	310	54	256	69	32	37
20-24	19,516	14,448	5,068	17,184	13,340	3,844	1,797	769	1,028	535	339	196
25-29	26,862	24,301	2,561	24,115	22,346	1,769	1,864	1,237	627	883	718	165
30-34	18,273	17,178	1,095	16,345	15,593	752	1,279	1,002	277	649	583	66
35-39	5,785	5,381	404	5,105	4,822	283	442	342	100	238	217	21
40-44	722	652	70	609	561	48	80	60	20	33	31	2
OVER 44	22	17	5	13	10	3	7	6	1	2	1	1
UNKNOWN	2	2	0	1	1	0	0	0	0	1	1	0

*UNWED FIGURES INCLUDE 154 RECORDS WITH UNKNOWN MARITAL STATUS.

TABLE B-4
PARITY BY AGE OF MOTHER, RESIDENT BIRTHS
1984

AGE OF MOTHER	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th+	9th+ MORE	UN-KNOWN
	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %
TOTAL	78,198 100.0	33,186 42.4	24,939 31.9	10,544 13.5	3,316 4.2	1,025 1.3	423 .6	160 .2	88 .1	66 .1	4,451 5.7
10-14	84 .1	76 .2	1	1	0	0	0	0	0	0	6 .1
15-19	6,932 8.9	5,449 16.4	965 3.9	145 1.4	12 .4	2 .2	2 .5	0	0	0	357 8.0
20-24	19,516 25.0	10,191 30.7	6,076 24.4	1,788 17.0	419 12.7	69 6.7	14 3.3	3 1.9	1 1.1	1 1.5	954 21.5
25-29	26,862 34.3	10,813 32.6	9,384 37.6	3,720 35.3	1,038 31.3	245 23.9	83 19.6	19 11.9	12 13.6	0	1,548 34.8
30-34	18,273 23.4	5,241 15.8	6,676 26.8	3,483 33.0	1,148 34.6	392 38.3	141 33.4	46 28.7	22 25.0	14 21.2	1,110 24.9
35-39	5,785 7.4	1,322 4.0	1,688 6.8	1,265 12.0	604 18.2	242 23.6	132 31.2	67 41.9	29 33.0	29 43.9	407 9.2
40-44	722 .9	93 .3	147 .5	137 1.3	94 2.8	71 6.9	50 11.8	25 15.6	23 26.2	17 25.8	65 1.3
45+ MORE	22	1	2	4	1	4	1	0	1	5	3
UNKNOWN AGE	2	0	0	1	0	0	0	0	0	0	1

TABLE B-5
RESIDENT BIRTHS TO TEENAGE MOTHERS
1970-1984

YEAR	TOTAL BIRTHS	- AGE OF MOTHER -								TOTAL 12-19	PERCENT OF TOTAL BIRTHS
		12	13	14	15	16	17	18	19		
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	11.0
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4
1979	70,568	2	9	70	283	773	1,413	2,306	2,916	7,772	11.0
1980	72,591	1	14	56	300	740	1,360	2,202	3,092	7,765	10.7
1981	73,931	1	12	82	275	722	1,357	2,164	2,816	7,429	10.0
1982	75,749	1	14	83	299	753	1,328	2,161	2,722	7,361	9.7
1983	76,031	0	8	78	255	726	1,278	2,053	2,521	6,919	9.1
1984	78,198	1	8	75	265	714	1,307	2,061	2,585	7,016	9.0

TABLE B-6
NUMBER OF PRIMARY AND REPEAT CESAREAN SECTIONS BY AGE
1984

AGE OF MOTHER	TOTAL CESAREAN DELIVERIES	TOTAL BIRTHS	RATE PER 1000 BIRTHS	PRIMARY CESAREAN DELIVERIES	% OF TOTAL	REPEAT CESAREAN DELIVERIES	% OF TOTAL
TOTALS	16,443	78,198	21.0	10,126	61.6	6,317	38.4
<15	15	84	17.9	15	100.0	0	--
15-19	985	6,932	14.2	870	88.3	115	11.7
20-24	3,588	19,516	18.4	2,472	68.9	1,116	31.1
25-29	5,809	26,862	21.6	3,508	60.4	2,301	39.6
30-34	4,253	18,273	23.3	2,251	52.9	2,002	51.8
35-39	1,576	5,785	27.2	880	55.9	696	44.1
40-44	212	722	29.4	126	59.4	86	40.6
>44	5	22	22.7	4	80.0	1	20.0
UNKNOWN AGE	0	2	--	0	--	0	--

FIGURE B-5

BIRTHWEIGHT DISTRIBUTION BY SEX

MASSACHUSETTS 1984

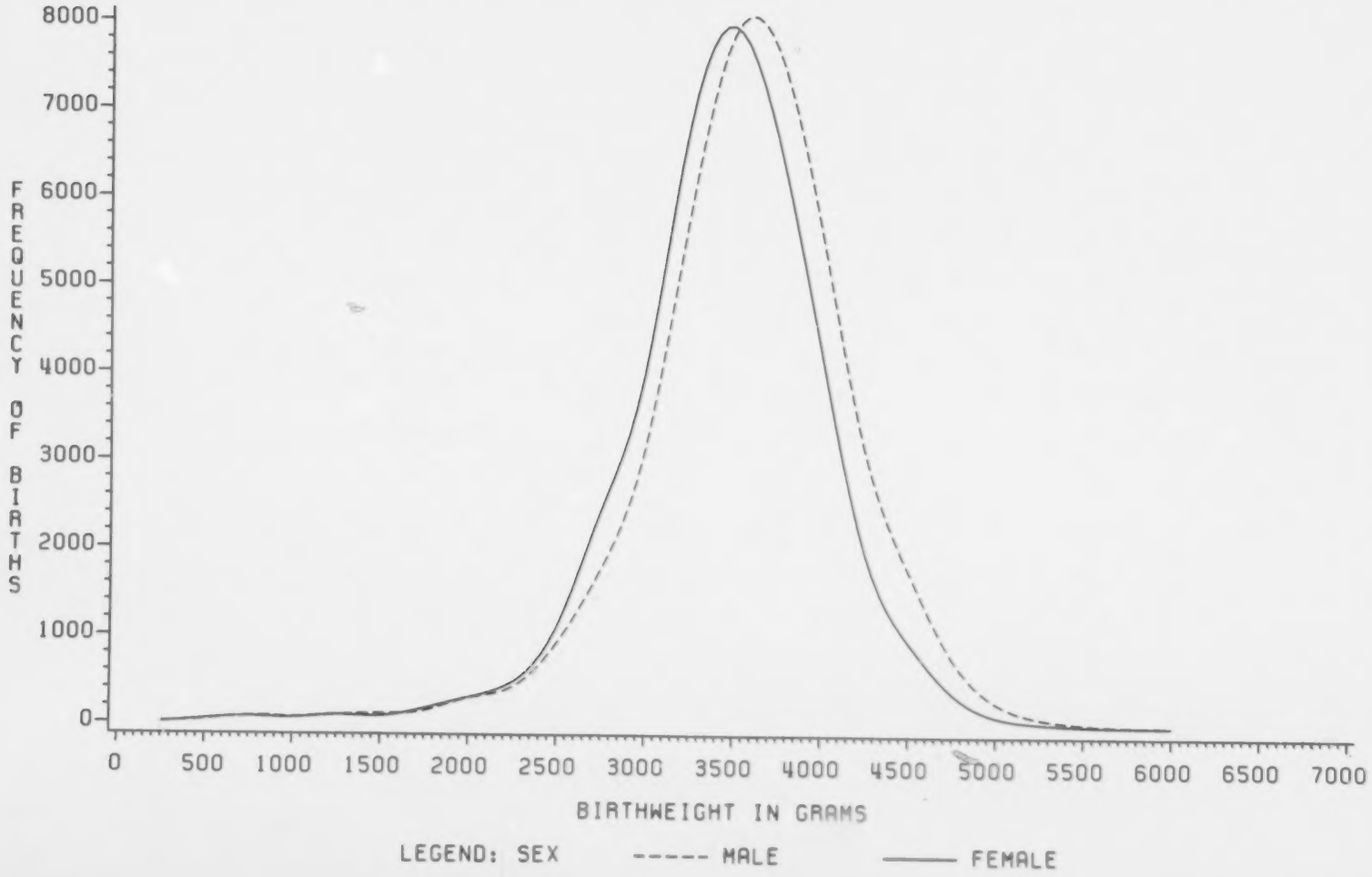


TABLE B-7

RESIDENT BIRTHS BY AGE AND MARITAL STATUS OF MOTHER AND BIRTHWEIGHT OF INFANT IN GRAMS

1984

BIRTH-WEIGHT gms	MARITAL STATUS	-TOTAL- n	%	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	>45	UN-KWN
	MARRIED	64,249		3	21	94	275	685	1,192	14,448	24,301	17,178	5,381	652	17	2
TOTAL	UNMARR.	13,795		81	244	619	1,030	1,373	1,387	5,030	2,505	1,065	387	69	5	0
	UNKNOWN	154		0	0	1	2	3	6	38	56	30	17	1	0	0
	GR. TOTAL	78,198		84	265	714	1,307	2,061	2,585	19,516	26,862	18,273	5,785	722	22	2
<500	MARRIED	59		0	0	0	0	0	2	11	21	20	4	0	0	1
	UNMARR.	33		1	0	2	5	2	3	12	6	1	1	0	0	0
	TOTAL	92	0.1	1	0	2	5	2	5	23	27	21	5	0	0	1
500-999	MARRIED	193		0	0	0	3	2	3	41	80	50	10	4	0	0
	UNMARR.	87		1	2	6	5	10	12	32	15	2	1	1	0	0
	UNKNOWN	1		0	0	0	0	0	0	0	0	1	0	0	0	0
	TOTAL	281	0.4	1	2	6	8	12	15	73	95	53	11	5	0	0
1000-1499	MARRIED	260		0	0	1	0	1	2	48	96	73	32	7	0	0
	UNMARR.	123		2	7	9	12	12	7	39	24	9	2	0	0	0
	UNKNOWN	3		0	0	0	0	1	0	2	0	0	0	0	0	0
	TOTAL	386	0.5	2	7	10	12	14	9	89	120	82	34	7	0	0
1500-1999	MARRIED	635		0	0	2	3	7	6	143	230	175	62	7	0	0
	UNMARR.	278		5	7	17	26	24	31	90	52	19	6	1	0	0
	UNKNOWN	7		0	0	0	0	0	0	3	0	3	1	0	0	
	TOTAL	920	1.2	5	7	19	29	31	37	236	282	197	69	8	0	0
2000-2499	MARRIED	2,060		0	1	5	9	33	51	506	710	560	155	27	3	0
	UNMARR.	848		7	14	48	59	82	76	284	173	66	34	5	0	0
	UNKNOWN	11		0	0	0	0	0	1	0	6	3	1	0	0	0
	TOTAL	2,919	3.7	7	15	53	68	115	128	790	889	629	190	32	3	0
2500-2999	MARRIED	8,473		0	5	16	47	121	199	2,076	3,185	2,083	660	78	3	0
	UNMARR.	2,791		17	51	111	207	251	280	1,069	504	213	78	10	0	0
	UNKNOWN	18		0	0	0	0	2	1	4	7	3	1	0	0	0
	TOTAL	11,282	14.4	17	56	127	254	374	480	3,149	3,696	2,299	739	88	3	0
3000-3499	MARRIED	23,013		2	6	42	114	263	461	5,401	8,690	6,010	1,799	217	7	1
	UNMARR.	5,366		35	92	244	398	565	558	1,961	974	380	135	22	2	0
	UNKNOWN	40		0	0	0	1	0	0	14	14	6	5	0	0	0
	TOTAL	28,419	36.4	37	98	286	513	828	1,019	7,376	9,678	6,396	1,939	239	9	1
3500-3999	MARRIED	20,986		1	9	20	75	196	361	4,537	8,075	5,744	1,760	205	3	0
	UNMARR.	3,285		9	57	153	255	343	334	1,193	576	255	87	21	2	0
	UNKNOWN	42		0	0	1	1	0	4	11	15	8	2	0	0	0
	TOTAL	24,313	31.1	10	66	174	331	539	699	5,741	8,666	6,007	1,849	226	5	0
4000-4499	MARRIED	6,977		0	0	6	21	51	90	1,387	2,625	1,990	724	82	1	0
	UNMARR.	822		4	14	26	55	71	70	298	145	97	33	8	1	0
	UNKNOWN	13		0	0	0	0	0	0	3	6	2	2	0	0	0
	TOTAL	7,812	10.0	4	14	32	76	122	160	1,688	2,776	2,089	759	90	2	0
4500-4999	MARRIED	1,374		0	0	2	2	10	17	257	500	414	152	20	0	0
	UNMARR.	135		0	0	3	8	9	13	42	30	21	8	1	0	0
	TOTAL	1,509	1.9	0	0	5	10	19	30	299	530	435	160	21	0	0
5000-8164	MARRIED	172		0	0	0	1	0	0	32	67	48	19	5	0	0
	UNMARR.	12		0	0	0	0	1	1	6	3	1	0	0	0	0
	TOTAL	184	0.2	0	0	0	1	1	1	38	70	49	19	5	0	0
UNKNOWN	MARRIED	47		0	0	0	0	1	0	9	22	11	4	0	0	0
	UNMARR.	15		0	0	0	0	3	2	4	3	1	2	0	0	0
	UNKNOWN	19		0	0	0	0	0	0	1	8	4	5	1	0	0
	TOTAL	81	0.1	0	0	0	0	4	2	14	33	16	11	1	0	0

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

TABLE B-8
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1984

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	1984	%
ADDISON GILBERT	GLOUCESTER	61	372	333	331	346	348	0.4
ANNA JAQUES	NEWBURYPORT	33	771	666	737	723	753	0.9
BAY STATE MEDICAL CTR.	SPRINGFIELD	13	5,254	5,450	5,452	5,372	5,614	7.1
BERKSHIRE MEDICAL CTR.	PITTSFIELD	11	1,395	1,222	1,344	1,387	1,301	1.6
BETH ISRAEL	BOSTON	41	3,284	3,376	3,579	3,800	3,870	4.9
BEVERLY	BEVERLY	61	702	921	1,079	1,132	1,173	1.5
BON SECOURS	METHUEN	32	1,192	1,315	1,378	1,274	1,238	1.6
BOSTON CITY	BOSTON	41	1,473	1,477	1,522	1,521	1,653	2.1
BRIGHAM & WOMEN'S	BOSTON	41	6,416	7,099	7,517	8,197	8,772	11.0
BROCKTON	BROCKTON	52	1,212	1,184	1,243	1,196	1,218	1.5
BURBANK*	FITCHBURG	21	886	849	321	754	769	1.0
CAMBRIDGE CITY	CAMBRIDGE	42	627	570	511	497	466	0.6
CAPE COD	BARNSTABLE	57	973	961	1,067	1,079	1,138	1.4
CHARLTON MEMORIAL	FALL RIVER	55	1,979	2,064	1,964	1,930	2,004	2.5
COOLEY DICKENSON	NORTHAMPTON	12	1,075	1,080	1,142	1,185	1,203	1.5
EMERSON	CONCORD	42	1,436	1,457	1,481	1,645	1,693	2.1
FAIRVIEW	GREAT BARRINGTON	11	127	160	100	117	98	0.1
FALMOUTH	FALMOUTH	57	504	567	498	441	548	0.7
FRAMINGHAM UNION	FRAMINGHAM	43	1,982	2,078	1,978	1,900	1,995	2.5
FRANKLIN COUNTY PUBLIC	GREENFIELD	12	836	871	868	875	835	1.0
GODDARD MEMORIAL	STOUGHTON	52	2,100	2,202	2,164	2,295	2,235	2.8
HARRINGTON MEMORIAL	SOUTHBRIDGE	23	511	528	516	511	496	0.6
HAVERHILL MUNICIPAL	HAVERHILL	33	634	624	587	516	550	0.7
HENRY HEYWOOD MEMORIAL	GARDNER	21	305	313	335	363	331	0.4
HUNT MEMORIAL	DANVERS	62	480	500	600	648	687	0.9
JORDAN	PLYMOUTH	53	683	708	772	671	742	0.9

NOTE: DURING 1982, A 6-MONTH NURSES STRIKE RESULTED IN THE REDUCED NUMBER OF BIRTHS AT BURBANK HOSPITAL. MOST OF THE PATIENTS WERE REFERRED TO LEOMINSTER HOSPITAL.

TABLE B-8 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1984

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	1984	%
LAWRENCE GENERAL	LAWRENCE	32	1,497	1,351	1,263	1,471	1,520	1.9
LEOMINSTER	LEOMINSTER	21	794	869	1,498	1,097	1,016	1.3
LEONARD MORSE	NATICK	43	663	622	634	642	605	0.8
LOWELL GENERAL	LOWELL	31	1,623	1,817	1,841	1,808	1,930	2.4
LYNN	LYNN	63	1,344	1,289	1,246	1,105	1,066	1.3
MALDEN	MALDEN	65	1,397	1,370	1,438	1,408	1,564	2.0
MARTHA'S VINEYARD	OAK BLUFFS	57	119	105	113	129	162	0.2
MARY LANE	WARE	13	299	312	315	281	309	0.4
MELROSE-WAKEFIELD	MELROSE	64	1,467	1,375	1,459	1,412	1,354	1.7
MILFORD-WHITINSVILLE	MILFORD	23	532	456	520	416	429	0.5
MORTON	TAUNTON	54	785	739	713	638	683	0.9
MOUNT AUBURN	CAMBRIDGE	42	866	961	1,030	939	1,152	1.4
NANTUCKET COTTAGE	NANTUCKET	57	55	61	72	78	80	0.1
NEW ENGLAND MEMORIAL	STONEHAM	64	859	1,008	1,023	1,049	1,030	1.3
NEWTON-WELLESLEY	NEWTON	43	1,520	1,662	1,619	1,906	2,065	2.6
NORTH ADAMS REGIONAL	NORTH ADAMS	11	354	518	449	376	421	0.5
NORWOOD	NORWOOD	44	982	884	958	846	786	1.0
PROVIDENCE	HOLYOKE	13	1,338	1,286	1,248	1,118	1,116	1.4
QUINCY CITY	QUINCY	45	935	891	800	875	882	1.1
SALEM	SALEM	62	1,143	1,146	1,188	1,207	1,283	1.6
SOUTH SHORE	WEYMOUTH	45	1,937	1,847	2,023	1,976	2,052	2.6
ST. ELIZABETH'S	BOSTON	41	1,038	1,032	1,193	1,041	1,044	1.3
ST. JOSEPH'S	LOWELL	31	839	604	634	603	562	0.7
ST. LUKE'S	NEW BEDFORD	56	2,005	2,028	2,064	1,978	2,011	2.5
ST. MARGARET'S	BOSTON	41	3,162	3,253	3,290	3,266	3,057	3.9
ST. VINCENT'S	WORCESTER	22	1,777	1,718	1,719	1,722	1,874	2.3
STURDY MEMORIAL	ATTLEBORO	51	977	1,032	1,024	989	1,011	1.3
TOBEY	WAREHAM	57	308	237	266	259	129	0.2
WALTHAM	WALTHAM	43	847	850	869	838	879	1.1
WINCHESTER	WINCHESTER	42	1,640	1,585	1,605	1,490	1,467	1.8

TABLE B-8 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1984

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	1984	%
WORCESTER HAHNEMANN	WORCESTER	22	1,258	1,129	1,106	1,194	1,161	1.5
WORCESTER MEMORIAL	WORCESTER	22	2,220	2,379	2,481	2,582	2,728	3.4
ALL OTHER HOSPITALS			20	18	20	18	20	0
AT HOME, EN ROUTE, OTHER			442	577	634	605	574	0.7
TOTAL			74,251	75,546	77,441	77,737	79,752	100.0
HEALTH SERVICE AREA	HEALTH SERVICE AREA--HOSPITAL BIRTHS							
I WESTERN MASS			10,680	10,899	10,918	10,711	10,897	13.8
II CENTRAL MASS			8,289	8,244	8,496	8,639	8,804	11.1
III MERRIMACK			6,556	6,377	6,440	6,395	6,553	8.3
IV METRO-GREATER BOSTON			28,816	29,605	30,609	31,379	32,438	41.0
V SOUTH SHORE			11,703	11,889	11,960	11,683	11,961	15.1
VI NORTH SHORE			7,765	7,942	8,364	8,307	8,505	10.7
TOTAL			73,809	74,956	76,787	77,114	79,158	100.0

MORTALITY

SECTION C

MORTALITY

There were 55,189 deaths to Massachusetts residents during 1984, an increase of 1,039 deaths from 1983. Overall, 51.3% of deaths were to persons aged 75 or older. These percentages vary widely by race and sex as indicated below:

SEX	RACE	% OF DEATHS UNDER AGE 75	% OF DEATHS 75 YEARS OR OLDER	TOTAL
MALE	WHITE	58.0	42.0	100.0%
	NON-WHITE	74.1	25.9	100.0%
	TOTAL	58.6	41.4	100.0%
FEMALE	WHITE	37.2	62.8	100.0%
	NON-WHITE	63.8	36.2	100.0%
	TOTAL	38.0	62.0	100.0%
TOTAL	WHITE	47.4	52.6	100.0%
	NON-WHITE	69.5	30.5	100.0%
	TOTAL	48.7	51.3	100.0%

The rank order of the ten leading causes of death in 1984 were the same as in 1983. The ten leading causes for Massachusetts and the United States were identical in 1984, but the order differs after the first three. Heart disease, the leading cause, accounted for 38.8% of all deaths to Massachusetts residents followed by cancer witn 23.6%. Both of these percentages are slightly higher than the U.S. percentages. The U.S. percentage of ten leading causes are higher or identical in all other causes except pneumonia and influenza and chronic liver disease and cirrhosis, which are lower than Massachusetts. (Table C-2).

Cause of death statistics in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization (ICD-9). The methodology for coding cause of death from death certificates is consistent nationally, using the Automated Classification of Medical Entities (ACME), developed by the National Center for Health Statistics (NCHS). The ACME system requires every disease or condition mentioned on the record to be coded. The underlying cause is then selected by a computer program which incorporates the ICD-9 rules and conventions. Cause of death information in both graphs and tables in this report is based on underlying cause except where noted otherwise.

Three tables are presented utilizing cause of death information available from multiple cause of death coding. Table C-8A presents a cross-tabulation of twelve important causes with both the number of deaths due to the underlying cause and mentioned conditions together with ratios reflecting the fact that death certificates have an average of 2.6 mentioned conditions or diseases. Table C-8B is a similar table focusing on deaths due to cancer. The final multiple cause table (C-9) shows the number of deaths with atherosclerosis, diabetes mellitus, and hypertensive disease included as either an underlying cause or mentioned condition.

The leading causes of death vary widely by age and sex. Table C-4 presents the five leading causes of death by age and sex. For ages 5 through 29, acci-

dents were the leading cause of death; for those aged 30 through 69, cancer was the leading cause; only for those aged 70 and older does heart disease become the leading cause. For males, however, heart disease becomes the leading cause beginning with age 40.

The number of deaths due to suicide in Massachusetts increased 1.1% from 1983 to 535 in 1984. The percentage of deaths due to suicide continues well below the U.S. percentage. Males accounted for 74.6% of suicides. Nearly one-half (47%) of these males were between the ages of 20 and 39. Table C-10 presents complete statistics by sex, age and method.

Although the total number of deaths increased between 1983 and 1984, overall, the accidental deaths decreased from 1,891 to 1,880 in 1984; motor vehicle accident-related deaths increased 2.7% and other accidents decreased 2.7%. Motor vehicle accidents by sex and age are contained in Table C-11.

In 1984, medical examiners certified 22.9% of all deaths occurring in Massachusetts. Only 18.5% of these 12,827 deaths were attributed to violent causes. The remaining 81.5% were sudden or unattended deaths. Differences in numbers of violent deaths from those in other tables may be observed. Statistics presented for medical examiner certified deaths reflect occurrences in Massachusetts and not the experiences of residents of the Commonwealth. Table C-13 displays the variability by county in the practice of medical examiners. The highest percentage of deaths certified, for example, was in Plymouth County, where 34.2% of occurrence deaths were certified by medical examiners, with 81.4% of these attributed to non-violent causes. In Suffolk County, the second largest county in population and number of deaths, only 14% of its deaths were certified by medical examiners. This county also had the greatest number of referrals where the medical examiners waived jurisdiction and the lowest percentage of non-violent causes (63.9%) in the state.

Of the deaths occurring in Massachusetts in 1984, the place of occurrence was as follows:

SITE	# OF DEATHS	% OF DEATHS
HOSPITAL	35,270	63.1
AT HOME	8,132	14.5
NURSING OR REST HOME	7,996	14.3
EN ROUTE OR DEAD ON ARRIVAL	3,965	7.1
OTHER AND UNKNOWN	578	1.0
TOTAL	55,941	100.0

TABLE C-1
RESIDENT DEATHS BY AGE, SEX AND RACE
1984

AGE	- ALL RACES -			- WHITE -			- NON-WHITE -			- OTHER & UNKNOWN -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	55,189	27,256	27,933	53,309	26,203	27,106	1,832	1,023	809	48	30	18
<5	796	453	343	683	394	289	110	56	54	3	3	0
5 - 9	69	38	31	66	36	30	3	2	1	0	0	0
10-14	84	51	33	76	47	29	8	4	4	0	0	0
15-19	319	242	77	293	221	72	25	20	5	1	1	0
20-24	449	331	118	410	304	106	36	26	10	3	1	2
25-29	417	294	123	369	265	104	45	26	19	3	3	0
30-34	478	329	149	414	293	121	63	35	28	1	1	0
35-39	588	385	203	538	349	189	47	34	13	3	2	1
40-44	696	442	254	637	402	235	57	39	18	2	1	1
45-49	1,009	625	384	911	559	352	96	64	32	2	2	0
50-54	1,741	1,098	643	1,609	1,017	592	128	77	51	4	4	0
55-59	2,902	1,783	1,119	2,752	1,692	1,060	146	88	58	4	3	1
60-64	4,295	2,683	1,612	4,119	2,576	1,543	174	106	68	2	1	1
65-69	5,650	3,311	2,339	5,480	3,217	2,263	167	91	76	3	3	0
70-74	7,100	3,917	3,183	6,927	3,826	3,101	169	90	79	4	1	3
75-79	7,765	3,887	3,878	7,606	3,795	3,811	153	90	63	6	2	4
80-84	7,670	3,265	4,405	7,509	3,184	4,325	156	79	77	5	2	3
85-89	6,940	2,397	4,543	6,808	2,340	4,468	132	57	75	0	0	0
90-94	4,336	1,277	3,059	4,261	1,250	3,011	74	27	47	1	0	1
95-99	1,580	390	1,190	1,547	380	1,167	33	10	23	0	0	0
>99	302	57	245	292	55	237	10	2	8	0	0	0
UNKNOWN	3	1	2	2	1	1	0	0	0	1	0	1

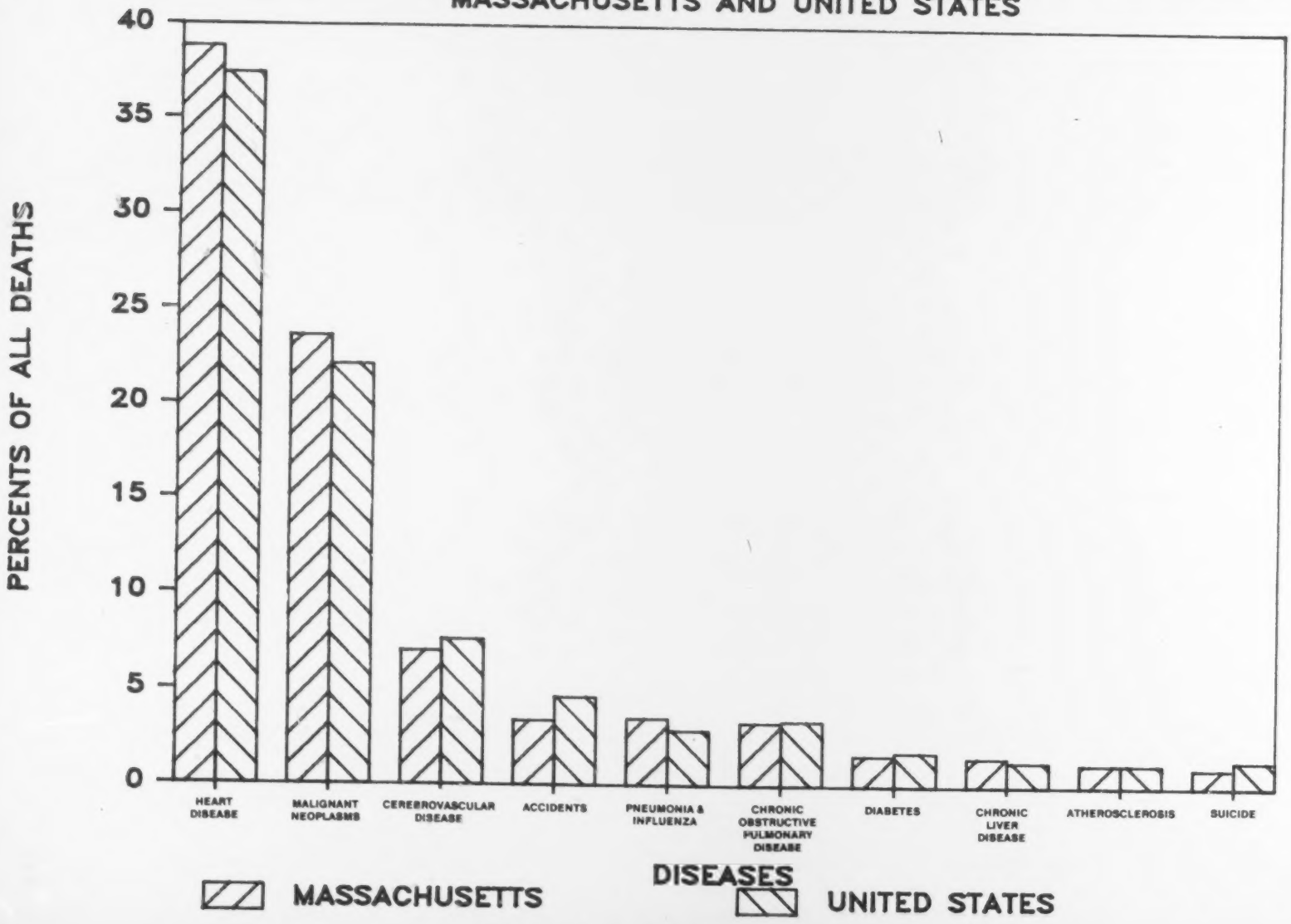
TABLE C-2
LEADING CAUSES OF DEATH, MASSACHUSETTS AND UNITED STATES
1983-1984

CAUSE OF DEATH	- 1984 -					- 1983 -				
	MASS. NUMBER	%	RANK	U.S.%	RANK	MASS. NUMBER	%	RANK	U.S.%	RANK
TOTAL	55,189	100.0	---	100.0	---	54,150	100.0	---	100.0	---
DISEASES OF THE HEART (390-398, 402, 404-429)	21,386	38.8	1	37.4	1	21,186	39.1	1	38.1	1
MALIGNANT NEOPLASMS (140-208)	13,045	23.6	2	22.1	2	12,898	23.8	2	21.9	2
CEREBROVASCULAR DISEASE (430-438)	3,849	7.0	3	7.6	3	3,697	6.8	3	7.8	3
PNEUMONIA & INFLUENZA (480-487)	1,958	3.5	4	2.9	6	1,902	3.5	4	2.7	6
ACCIDENTS (800-949)	1,880	3.4	5	4.6	4	1,891	3.5	5	4.5	4
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,801	3.3	6	3.4	5	1,705	3.2	6	3.3	5
DIABETES MELLITUS (250)	910	1.6	7	1.8	7	906	1.7	7	1.8	7
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	840	1.5	8	1.3	9	692	1.3	8	1.4	9
ATHEROSCLEROSIS (440)	656	1.2	9	1.2	10	662	1.2	9	1.3	10
SUICIDE (950-959)	535	1.0	10	1.4	8	529	1.0	10	1.4	8
ALL OTHER CAUSES	8,329	15.1	---	16.3	---	8,082	14.9	---	15.8	---

FIGURE C-1

1984 10 LEADING CAUSES OF DEATH

MASSACHUSETTS AND UNITED STATES



NOTE: U.S.A. DATA IS PROVISIONAL

FIGURE C-2

PROPORTION OF FIVE SELECTED CAUSES OF DEATH

MASSACHUSETTS RESIDENTS

1940 TO 1984

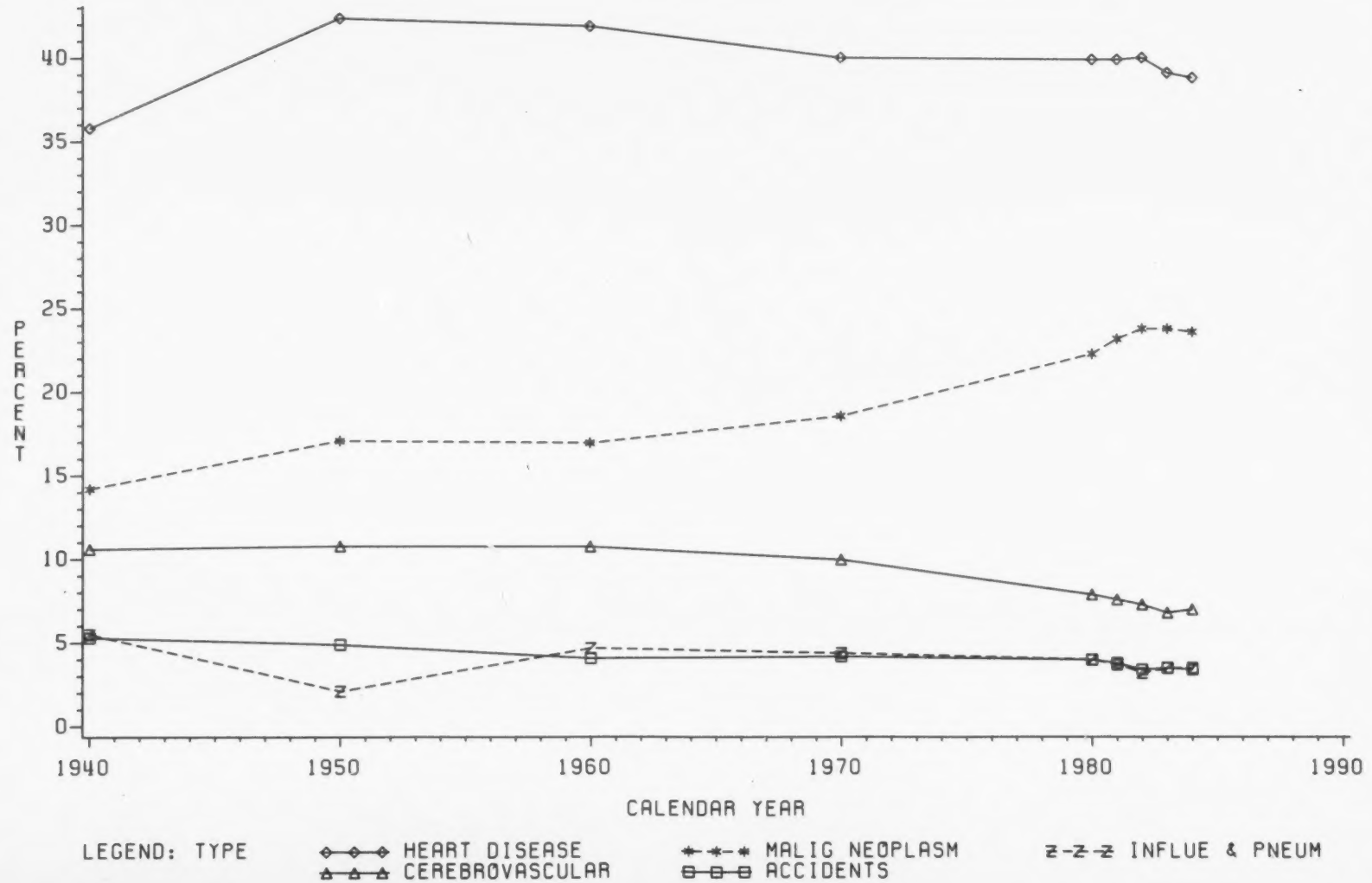


TABLE C-3
LEADING CAUSES OF DEATH BY HEALTH SERVICE AREAS
1984

CAUSE OF DEATH	STATE	HSA I	HSA II	HSA III	HSA IV	HSA V	HSA VI
	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE
TOTAL	55,189	7,786	6,476	4,613	19,636	10,259	6,419
	9.6	9.7	9.7	10.0	8.8	11.9	9.6
DISEASES OF THE HEART (390-398,402,404-429)	21,386	3,084	2,513	1,802	7,446	4,017	2,524
	1	1	1	1	1	1	1
	3.7	3.8	3.8	3.9	3.3	4.6	3.8
MALIGNANT NEOPLASMS (140-208)	13,045	1,688	1,530	1,053	4,682	2,489	1,603
	2	2	2	2	2	2	2
	2.3	2.1	2.3	2.3	2.1	2.9	2.4
CEREBROVASCULAR DISEASE (430-438)	3,849	601	421	263	1,254	877	433
	3	3	3	3	3	3	3
	.7	.7	.6	.6	.6	1.0	.7
PNEUMONIA & INFLUENZA (480-487)	1,958	304	251	146	764	282	211
	4	4	5	7	4	6	5
	.3	.4	.4	.3	.3	.3	.3
ACCIDENTS (800-949)	1,880	271	260	159	664	345	181
	5	6	4	5	5	4	6
	.3	.3	.4	.3	.3	.4	.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,801	290	181	184	589	298	259
	6	5	6	4	6	5	4
	.3	.4	.3	.4	.3	.3	.4
DIABETES MELLITIS (250)	910	130	91	108	307	173	101
	7	7	7	8	8	7	7
	.2	.2	.1	.2	.1	.2	.2
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	840	109	75	90	328	139	99
	8	8	9	9	7	8	8
	.1	.1	.1	.2	.1	.1	.1
ATHEROSCLEROSIS (440)	656	86	87	148	153	125	57
	9	9	8	6	10	9	10
	.1	.1	.1	.3	.1	.1	.1
SUICIDE (950-959)	535	79	58	42	179	114	63
	10	10	10	10	9	10	9
	.1	.1	.1	.1	.1	.1	.1
ALL OTHER CAUSES	8,329	1,144	1,009	618	3,270	1,400	888
	1.4	1.4	1.5	1.3	1.5	1.6	1.3

NOTE: The rates for the state are determined using 1984 estimated population. HSA rates utilize 1980 U.S. Census data.

TABLE C-4
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1984

AGE GROUP	TOTAL	MALE	FEMALE
UNDER 1 YEAR			
TOTAL	699	400	299
	1.3%	1.5%	1.1%
CERTAIN CAUSES OF PERINATAL MORTALITY (760-779)	333	185	148
CONGENITAL ANOMALIES (740-759)	193	109	84
SUDDEN INFANT DEATH SYNDROME (7980)	73	46	27
ALL OTHER CAUSES	100	60	40
1-4 YEARS			
TOTAL	97	53	44
	.2%	.2%	.1%
CONGENITAL ANOMALIES (740-759)	18	9	9
OTHER ACCIDENTS (800-809, 826-949)	17	12	5
MALIGNANT NEOPLASMS (140-208)	12	6	6
ALL OTHER CAUSES	50	26	24
5-9 YEARS			
TOTAL	69	38	31
	.1%	.1%	.1%
OTHER ACCIDENTS (800-809, 826-949)	13	6	7
MOTOR VEHICLE ACCIDENTS (810-825)	13	10	3
MALIGNANT NEOPLASMS (140-208)	12	7	5
ALL OTHER CAUSES	41	15	16
10-14 YEARS			
TOTAL	84	51	33
	.2%	.2%	.1%
MOTOR VEHICLE ACCIDENTS (810-825)	16	12	4
OTHER ACCIDENTS (800-809, 826-949)	11	9	2
MALIGNANT NEOPLASMS (140-208)	12	6	6
ALL OTHER CAUSES	45	24	21
15-19 YEARS			
TOTAL	319	242	77
	.6%	.9%	.3%
MOTOR VEHICLE ACCIDENTS (810-825)	139	114	25
OTHER ACCIDENTS (800-809, 826-949)	41	34	7
SUICIDE (950-959)	33	28	5
HOMICIDE (960-969)	26	21	5
MALIGNANT NEOPLASMS (140-208)	19	11	8
ALL OTHER CAUSES	61	34	27

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1984

AGE GROUP	TOTAL	MALE	FEMALE
20-29 YEARS			
TOTAL	866	625	241
	1.6%	2.3%	.9%
MOTOR VEHICLE ACCIDENTS (810-825)	237	179	58
SUICIDE (950-959)	129	106	23
OTHER ACCIDENTS (800-809, 826-949)	124	102	22
MALIGNANT NEOPLASMS (140-209)	76	37	39
HOMICIDE (960-969)	70	51	19
ALL OTHER CAUSES	230	150	80
30-39 YEARS			
TOTAL	1,066	714	352
	1.9%	2.6%	1.3%
MALIGNANT NEOPLASMS (140-208)	221	98	123
SUICIDE (950-959)	113	82	31
OTHER ACCIDENTS (800-809, 826-949)	105	94	11
MOTOR VEHICLE ACCIDENTS (810-825)	99	77	22
ISCHEMIC HEART DISEASE (410-414)	84	69	15
ALL OTHER CAUSES	444	294	150
40-49 YEARS			
TOTAL	1,705	1,067	638
	3.1%	3.9%	2.3%
MALIGNANT NEOPLASMS (140-208)	562	245	317
ISCHEMIC HEART DISEASE (410-414)	333	279	54
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	92	67	25
ALL OTHER CAUSES	718	476	242
50-59 YEARS			
TOTAL	4,643	2,881	1,762
	8.4%	10.6%	6.3%
MALIGNANT NEOPLSAMS (140-208)	1,760	887	873
ISCHEMIC HEART DISEASE (410-414)	1,284	992	292
DISEASES OF RESPIRATORY SYSTEM (460-519)	199	122	77
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	187	127	60
ALL OTHER CAUSES	1,213	753	460
60-69 YEARS			
TOTAL	9,945	5,994	3,951
	18.0%	22.0%	14.1%
MALIGNANT NEOPLASMS (140-208)	3,474	1,860	1,614
ISCHEMIC HEART DISEASE (410-414)	2,994	2,032	962
DISEASES OF RESPIRATORY SYSTEM (460-519)	603	402	201
CEREBROVASCULAR DISEASE (430-438)	377	203	174
ALL OTHER CAUSES	2,497	1,497	1,000

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1984

AGE GROUP	TOTAL	MALE	FEMALE
70-79 YEARS			
TOTAL	14,865	7,804	7,061
	26.9%	28.6%	25.3%
ISCHEMIC HEART DISEASE (410-414)	4,707	2,587	2,120
MALIGNANT NEOPLASMS (140-208)	3,858	2,010	1,848
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,304	784	520
CEREBROVASCULAR DISEASE (430-438)	994	433	561
ALL OTHER CAUSES	4,002	1,990	2,012
80-89 YEARS			
TOTAL	14,610	5,662	8,948
	26.5%	20.8%	32.0%
ISCHEMIC HEART DISEASE (410-414)	4,810	1,813	2,997
MALIGNANT NEOPLASMS (140-208)	2,475	1,085	1,390
CEREBROVASCULAR DISEASE (430-438)	1,519	466	1,053
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,448	704	744
ALL OTHER CAUSES	4,358	1,594	2,764
90-99 YEARS			
TOTAL	5,916	1,667	4,249
	10.7%	6.1%	15.2%
ISCHEMIC HEART DISEASE (410-414)	1,996	539	1,457
CEREBROVASCULAR DISEASE (430-438)	676	138	538
DISEASES OF RESPIRATORY SYSTEM (460-519)	660	245	415
MALIGNANT NEOPLASMS (140-208)	553	209	344
ALL OTHER CAUSES	2,031	536	1,495
100 YEARS & OLDER			
TOTAL	302	57	245
	.5%	.2%	.9%
ISCHEMIC HEART DISEASE (410-414)	123	22	101
DISEASES OF RESPIRATORY SYSTEM (460-519)	37	9	28
CEREBROVASCULAR DISEASE (430-438)	30	3	27
ATHEROSCLEROSIS (440)	22	1	21
ALL OTHER CAUSES	90	22	68
TOTAL MASSACHUSETTS DEATHS	55,189*	27,256	27,933
	100.0%	100.0%	100.0%

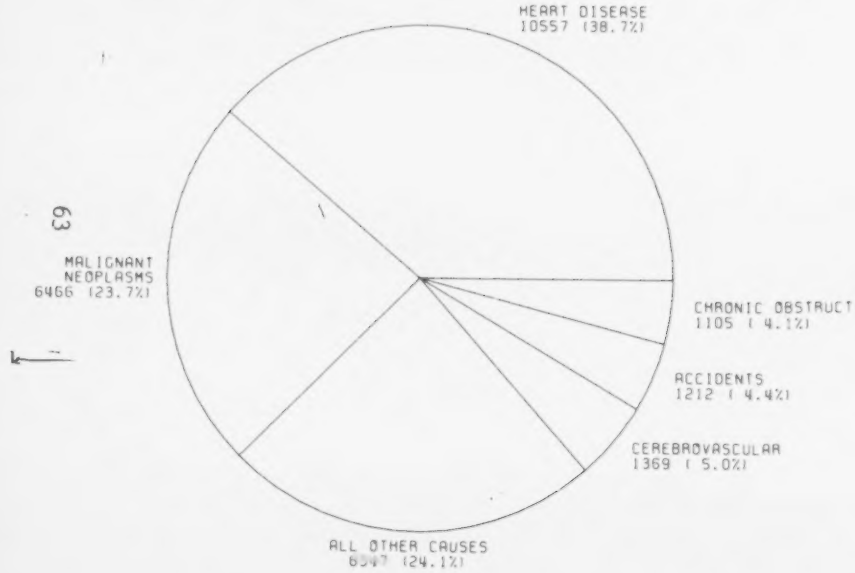
*INCLUDES THREE DEATHS OF UNKNOWN AGE.

FIGURE C-3

5 LEADING CAUSES OF DEATH BY SEX

1984

MALES



FEMALE

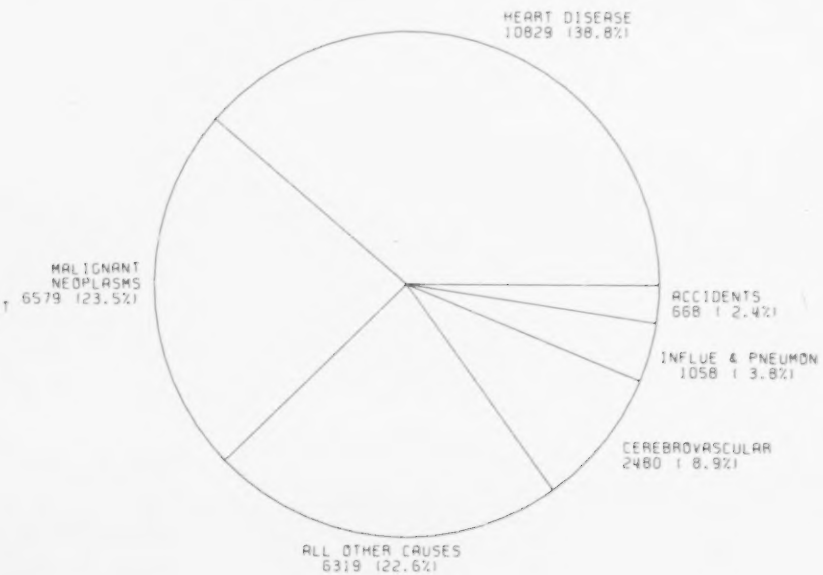
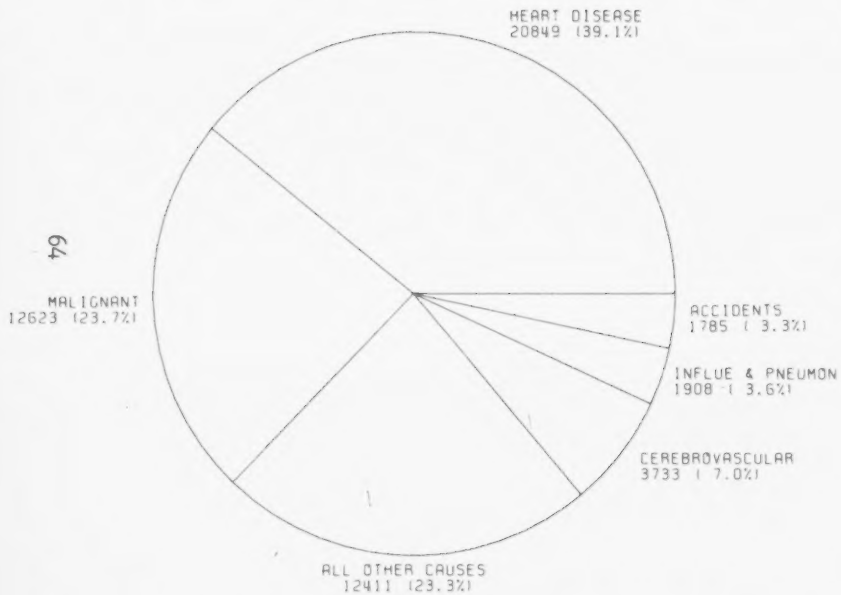


FIGURE C-4

5 LEADING CAUSES OF DEATH BY RACE

1984

WHITE



NON-WHITE

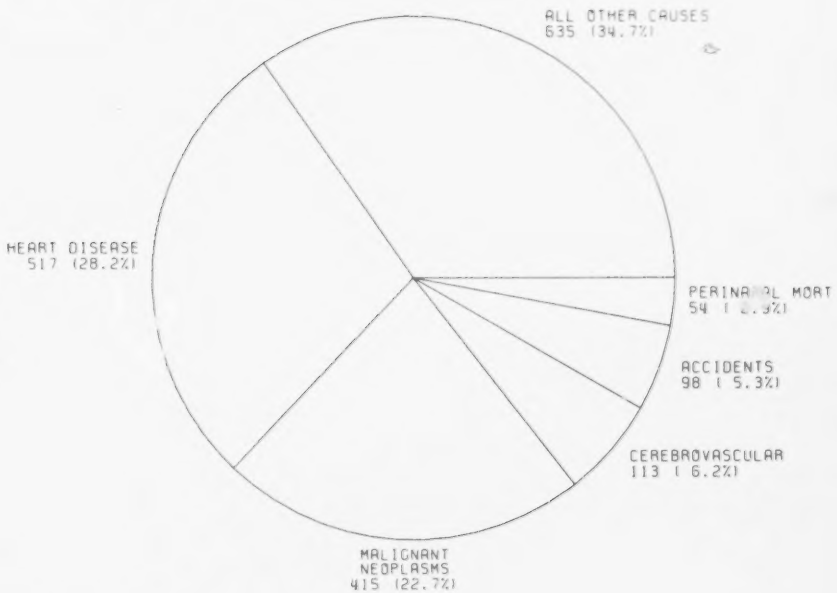


TABLE C-5
MAJOR CAUSES OF MASSACHUSETTS RESIDENT DEATHS BY RACE AND SEX
1984

MAJOR CAUSE OF DEATH (ICD CODE)		- TOTALS -			- WHITE -			- NON-WHITE -		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTALS	N	55,189	27,256	27,933	53,309	26,203	27,106	1,832	1,023	809
	%	100	100	100	100	100	100	100	100	100
I. INFECTIVE AND PARASITIC DISEASES (001-139)		736	330	406	690	309	381	46	21	25
		1.3	1.2	1.5	1.3	1.2	1.4	2.5	2.1	3.1
II. NEOPLASMS (140-239)		13,264	6,563	6,701	12,834	6,327	6,327	423	232	191
		24.0	24.1	24.0	24.1	24.2	24.0	23.1	22.7	23.6
III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS (240-279)		1,272	551	721	1,203	509	694	68	41	27
		3.3	2.0	2.6	2.3	1.9	2.5	3.7	4.0	3.3
IV. DIS. OF THE BLOOD AND BLOOD-FORMING ORGANS (280-289)		180	86	94	172	83	89	7	3	4
		.3	.3	.3	.3	.3	.3	.4	.3	.5
V. MENTAL DISORDERS (290-319)		400	174	226	383	164	219	17	10	7
		0.7	.6	.8	.7	.6	.8	.9	1.0	.8
VI. DIS. OF THE NERVOUS SYSTEM AND SENSE ORGANS (320-389)		933	487	446	898	473	425	34	13	21
		1.7	1.8	1.6	1.7	1.8	1.6	1.9	1.3	2.6
VII. DIS. OF THE CIRCULATORY SYSTEM (390-459)		26,871	12,621	14,250	26,182	12,265	13,917	666	341	325
		48.7	46.3	51.0	49.1	46.8	51.3	36.4	33.3	40.2
VIII. DIS. OF THE RESPIRATORY SYSTEM (460-519)		4,407	2,367	2,040	4,281	2,285	1,996	125	81	44
		8.0	8.7	7.3	8.0	8.7	7.4	6.8	7.9	5.4
IX. DIS. OF THE DIGESTIVE SYSTEM (520-579)		2,233	1,169	1,064	2,135	1,107	1,028	94	60	34
		4.0	4.3	3.8	4.0	4.2	3.8	5.1	5.9	4.2
X. DIS. OF THE GENITOURINARY SYSTEM (580-628)		938	456	482	881	427	454	57	29	28
		1.7	1.7	1.7	1.7	1.6	1.7	3.1	2.8	3.5
XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM (630-676)		1	0	1	0	0	0	1	0	1
		0	0	0	0	0	0	.1	0	.2
XII. DIS. OF THE SKIN AND SUBCUTANEOUS TISSUE (680-709)		71	25	46	70	24	46	1	1	0
		.1	.1	.2	.1	.1	.2	.1	.1	
XIII. DIS. OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (710-739)		149	46	103	142	43	99	7	3	4
		.3	.2	.4	.3	.2	.4	.4	.3	.5
XIV. CONGENITAL ANOMALIES (740-759)		295	154	141	273	142	131	20	10	10
		.5	.5	.5	.5	.6	.4	1.1	1.0	1.2
XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (760-779)		338	187	151	283	160	123	54	26	28
		.6	.7	.5	.5	.6	.5	2.9	2.5	3.5
XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS (780-799)		393	217	176	354	190	164	37	26	11
		.7	.8	.6	.7	.7	.6	2.0	2.5	1.3
XVII. EXTERNAL CAUSES OF INJURY AND POISONING (800-899)		2,708	1,823	885	2,528	1,695	833	175	126	49
		4.9	6.7	3.2	4.7	6.5	3.1	9.5	12.3	6.1

NOTE: TOTALS REFLECT 30 MALES AND 18 FEMALES OF UNKNOWN RACE.

TABLE C-6A
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1984

CAUSE OF DEATH		TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																	
	MALE	6466	8	7	6	11	37	98	92	153	325	562	854	1006	1068	942	1297
	FEMALE	6579	6	5	6	8	39	123	123	194	316	557	703	911	939	909	1740
TOTAL		13045	14	12	12	19	76	221	215	347	641	1119	1557	1917	2007	1851	3037
DIABETES MELLITUS (250)																	
	MALE	389	1	0	0	1	2	12	5	8	21	23	43	55	63	75	80
	FEMALE	521	1	0	0	0	1	13	4	7	10	17	39	49	62	78	240
TOTAL		910	2	0	0	1	3	25	9	15	31	40	82	104	125	153	320
HEART DISEASES (390 - 398, 402, 404-429)																	
	MALE	10557	13	1	1	1	19	104	131	228	470	734	1147	1389	1665	1549	3105
	FEMALE	10829	5	2	2	1	13	32	32	61	142	265	481	811	1251	1583	6148
TOTAL		21386	18	3	3	2	32	136	163	289	612	999	1628	2200	2916	3132	9253
CEREBROVASCULAR DISEASE (430-438)																	
	MALE	1369	2	1	0	0	6	8	13	19	28	49	78	125	188	245	607
	FEMALE	2480	1	0	0	0	4	11	11	19	28	53	70	104	226	335	1618
TOTAL		3849	3	1	0	0	10	19	24	38	56	102	148	229	414	580	2225
ATHEROSCLEROSIS (440)																	
	MALE	194	0	0	0	0	0	0	0	1	0	5	11	8	16	28	125
	FEMALE	462	0	0	0	0	0	0	0	0	1	3	2	7	23	43	383
TOTAL		656	0	0	0	0	0	0	0	1	1	8	13	15	39	71	508
INFLUENZA & PNEUMONIA (480-487)																	
	MALE	900	3	0	0	1	6	8	9	7	11	15	41	52	97	144	506
	FEMALE	1058	5	2	1	0	3	4	3	5	9	11	14	24	68	116	793
TOTAL		1958	8	2	1	1	9	12	12	12	20	26	55	76	165	260	1299
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																	
	MALE	1105	0	0	1	2	1	7	8	12	19	50	96	142	199	245	323
	FEMALE	696	0	0	0	1	1	2	4	5	18	24	60	70	135	137	239
TOTAL		1801	0	0	1	3	2	9	12	17	37	74	156	212	334	382	562

TABLE C-6A
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1984

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	535	0	0	0	0	7	30	27	40	52	75	91	89	58	41	25
FEMALE	305	0	0	0	0	1	18	10	15	26	34	38	51	47	30	35
TOTAL	840	0	0	0	0	8	48	37	55	78	109	129	140	105	71	60
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	543	4	10	12	114	179	77	29	17	12	12	16	13	16	16	16
FEMALE	219	2	3	4	25	58	22	11	8	5	8	12	9	13	17	22
TOTAL	762	6	13	16	139	237	99	40	25	17	20	28	22	29	33	38
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	555	3	2	4	49	157	121	40	29	27	37	21	13	18	14	20
FEMALE	192	3	2	0	10	42	35	12	7	18	19	9	7	10	12	6
TOTAL	747	6	4	4	59	199	156	52	36	45	56	30	20	28	26	26
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	669	19	6	9	34	102	94	26	25	23	38	34	44	37	55	123
FEMALE	449	10	7	2	7	22	11	6	10	8	9	20	25	31	50	231
TOTAL	1118	29	13	11	41	124	105	32	35	31	47	54	69	68	105	354
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	27256	453	38	51	242	625	714	442	625	1098	1783	2683	3311	3917	3887	7387
FEMALE	27933	343	31	33	77	241	352	254	384	643	1119	1612	2339	3183	3878	13444
TOTAL	55189	796	69	84	319	866	1066	696	1009	1741	2902	4295	5650	7100	7765	20831

3 DEATH RECORDS INCLUDED OF UNKNOWN AGE (AS OVER 80)

TABLE C-6B
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1984

CAUSE OF DEATH		TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																	
	MALE	236.8	4.6	3.7	2.5	4.0	7.3	25.2	69.0	118.9	213.8	386.0	676.0	1007.8	1434.6	1228.8	6450.5
	FEMALE	218.9	3.7	2.7	2.7	2.9	7.3	30.3	84.6	139.5	191.4	336.8	465.4	671.2	833.7	592.8	3234.1
TOTAL		227.4	4.2	3.2	2.6	3.5	7.3	27.8	77.1	129.6	202.1	359.8	561.3	813.8	1072.9	804.8	4109.2
DIABETES MELLITUS (250)																	
	MALE	14.2	0.6	0.0	0.0	0.4	0.4	3.1	3.7	6.2	13.8	15.8	34.0	55.1	84.6	97.8	397.9
	FEMALE	17.3	0.6	0.0	0.0	0.0	0.2	3.2	2.8	5.0	6.1	10.3	25.8	36.1	55.0	50.9	446.1
TOTAL		15.9	0.6	0.0	0.0	0.2	0.3	3.1	3.2	5.6	9.8	12.9	29.6	44.2	66.8	66.5	433.0
HEART DISEASES (390 - 398, 402, 404-429)																	
	MALE	386.6	7.5	0.5	0.4	0.4	3.7	26.8	98.2	177.2	309.2	504.1	908.0	1391.5	2236.6	2020.7	15442.4
	FEMALE	360.2	3.0	1.1	0.9	0.4	2.4	7.9	22.0	43.9	86.0	160.2	318.4	597.5	1110.7	1032.3	11427.3
TOTAL		372.8	5.3	0.8	0.7	0.4	3.1	17.1	58.5	107.9	193.0	321.2	586.9	934.0	1558.8	1361.7	12519.6
CEREBROVASCULAR DISEASE (430-438)																	
	MALE	50.1	1.2	0.5	0.0	0.0	1.2	2.1	9.7	14.8	18.4	33.7	61.7	125.2	252.5	319.6	3018.8
	FEMALE	82.5	0.6	0.0	0.0	0.0	0.8	2.7	7.6	13.7	17.0	32.0	46.3	76.6	200.7	218.5	3007.4
TOTAL		67.1	0.9	0.3	0.0	0.0	1.0	2.4	8.6	14.2	17.7	32.8	53.4	97.2	221.3	252.2	3010.5
ATHEROSCLEROSIS (440)																	
	MALE	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.4	8.7	8.0	21.5	36.5	621.7
	FEMALE	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	1.3	5.2	20.4	28.0	711.9
TOTAL		11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	2.6	4.7	6.4	20.8	30.9	687.3
INFLUENZA & PNEUMONIA (480-487)																	
	MALE	33.0	1.7	0.0	0.0	0.4	1.2	2.1	6.7	5.4	7.2	10.3	32.5	52.1	130.3	187.8	2516.5
	FEMALE	35.2	3.0	1.1	0.4	0.0	0.6	1.0	2.1	3.6	5.5	6.7	9.3	17.7	60.4	75.6	1474.0
TOTAL		34.1	2.4	0.5	0.2	0.2	0.9	1.5	4.3	4.5	6.3	8.4	19.8	32.3	88.2	113.0	1757.6
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																	
	MALE	40.5	0.0	0.0	0.4	0.7	0.2	1.8	6.0	9.3	12.5	34.3	76.0	142.3	267.3	319.6	1606.4
	FEMALE	23.2	0.0	0.0	0.0	0.4	0.2	0.5	2.8	3.6	10.9	14.5	39.7	51.6	119.9	89.3	446.2
TOTAL		31.4	0.0	0.0	0.2	0.5	0.2	1.1	4.3	6.3	11.7	23.8	56.2	90.0	178.5	166.1	760.4

TABLE C-68
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1984

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	19.6	0.0	0.0	0.0	0.0	1.4	7.7	20.2	31.1	34.2	51.5	72.0	89.2	77.9	53.5	124.3
FEMALE	10.1	0.0	0.0	0.0	0.0	0.2	4.4	6.9	10.8	15.7	20.6	25.2	37.6	41.7	19.6	65.1
TOTAL	14.6	0.0	0.0	0.0	0.0	0.8	6.0	13.3	20.5	24.6	35.0	46.5	59.4	54.1	30.9	81.2
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	19.9	2.3	5.2	5.1	41.5	35.1	19.8	21.7	13.2	7.9	8.2	12.7	13.0	21.5	20.9	79.6
FEMALE	7.3	1.2	1.6	1.8	9.1	10.9	5.4	7.6	5.8	3.0	4.8	7.9	6.6	11.5	11.1	40.9
TOTAL	13.3	1.8	3.5	3.5	25.4	22.7	12.5	14.3	9.3	5.4	6.4	10.1	9.3	15.5	14.3	51.4
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	20.3	1.7	1.0	1.7	17.8	30.8	31.1	30.0	22.5	17.8	25.4	16.6	13.0	24.2	18.3	99.5
FEMALE	6.4	1.8	1.1	0.0	3.7	7.9	8.6	8.3	5.0	10.9	11.5	6.0	5.2	8.9	7.8	11.2
TOTAL	13.0	1.8	1.1	0.9	10.8	19.1	19.6	18.7	13.4	14.2	18.0	10.8	8.5	15.0	11.3	35.2
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	24.5	11.0	3.1	3.8	12.4	20.0	24.2	19.5	19.4	15.1	26.1	26.9	44.1	49.7	71.7	611.7
FEMALE	14.9	6.1	3.8	0.9	2.6	4.1	2.7	4.1	7.2	4.8	5.4	13.2	18.4	27.5	32.6	429.4
TOTAL	19.5	8.6	3.5	2.4	7.5	11.9	13.2	11.5	13.1	9.8	15.1	19.5	29.3	36.3	45.7	479.0
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	998.1	261.8	19.8	21.6	88.0	122.5	183.7	331.4	485.8	722.3	1224.6	2123.9	3316.9	5261.7	5070.6	36738.4
FEMALE	929.2	208.9	16.9	14.6	28.2	45.3	86.7	174.7	276.1	389.5	676.6	1067.1	1723.2	2826.1	2528.9	24988.4
TOTAL	962.0	236.1	18.4	18.2	58.2	83.1	134.1	249.7	376.9	549.0	933.1	1548.4	2398.6	3795.4	3376.0	28185.0

TABLE C-7

AGE-ADJUSTED MORTALITY RATES -- 10 LEADING CAUSES OF DEA , MASSACHUSETTS 1980-1984*

	TOTAL	MALE	FEMALE
DISEASES OF THE HEART (390-398,402,404-429)			
1980	291.0	399.9	215.1
1981	276.9	383.2	202.9
1982	275.2	383.0	199.8
1983	269.3	373.1	197.2
1984	268.1	370.4	197.1
MALIGNANT NEOPLASMS (140-208)			
1980	176.6	227.1	147.0
1981	175.6	227.1	144.6
1982	178.1	228.8	148.3
1983	180.3	229.2	151.9
1984	180.0	225.8	153.2
CEREBROVASCULAR DISEASE (430-438)			
1980	55.0	57.5	52.6
1981	50.4	53.9	47.9
1982	47.2	49.6	45.2
1983	44.4	48.0	41.5
1984	45.0	48.3	42.7
ACCIDENTS (800-949)			
1980	32.8	48.0	19.2
1981	30.4	46.7	16.5
1982	26.8	40.2	15.3
1983	28.2	41.3	17.2
1984	27.4	41.0	15.6
PNEUMONIA AND INFLUENZA (480-487)			
1980	27.7	38.8	21.2
1981	24.0	34.4	18.0
1982	20.6	30.7	15.0
1983	22.0	31.8	16.9
1984	22.0	31.8	17.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)			
1980	20.7	37.0	11.5
1981	20.3	34.0	12.7
1982	19.3	32.1	12.0
1983	22.4	37.5	13.8
1984	23.3	38.6	14.6
DIABETES MELLITUS (250)			
1980	14.1	15.7	12.8
1981	12.6	14.5	11.3
1982	12.3	12.9	11.8
1983	11.8	13.2	10.8
1984	11.8	13.6	10.4
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)			
1980	12.8	17.4	9.1
1981	11.8	17.1	7.5
1982	11.6	16.5	7.8
1983	10.6	15.3	6.8
1984	12.7	18.7	8.0

TABLE C-7 (continued)
AGE-ADJUSTED MORTALITY RATES -- 10 LEADING CAUSES OF DEATH, MASSACHUSETTS
1980-1984*

	TOTAL	MALE	FEMALE
ATHEROSCLEROSIS (440)			
1980	8.8	8.7	8.7
1981	7.8	8.1	7.4
1982	7.6	9.0	7.0
1983	7.0	6.4	7.2
1984	6.8	6.9	6.7
SUICIDE (950-959)			
1980	7.4	11.7	3.6
1981	7.9	13.0	3.3
1982	8.2	13.4	3.6
1983	8.0	13.6	3.2
1984	8.1	12.9	3.9

*1981-1984 rates were calculated using age-sex population estimates for Massachusetts which were derived according to the methodology developed by the Connecticut Department of Health Services. See Population Section G for a description of methodology used.

TABLE C-8A
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1984

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
TOTAL	55,189	19,774	4,307	48,547	7,256	2,901	5,105	4,144	3,062	1,259	790	2,830	753	45,106	145,834	2.64
1. MALIGNANT NEOPLASM (140-208)	13,045	17,548	424	3,392	298	102	796	537	470	86	1	259	0	6,546	30,459	2.33
2. DIABETES MELLITUS (250)	910	35	921	929	179	83	58	20	32	7	0	24	0	619	2,907	3.19
3. DISEASES OF THE HEART (390-398, 402, 404-429)	21,386	1,142	2,003	36,694	1,638	1,190	788	1,199	807	121	19	531	1	9,620	55,753	2.61
4. CEREBROVASCULAR DISEASE (430-438)	3,849	160	310	1,292	4,346	549	345	117	224	24	2	125	0	2,456	9,950	2.59
5. ATHEROSCLEROSIS (440)	656	34	34	296	0	656	63	18	38	4	0	28	0	414	1,585	2.42
6. PNEUMONIA & INFLUENZA (480-487)	1,958	200	106	830	224	46	1,960	103	65	22	0	49	1	1,586	5,192	2.65
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	1,801	127	77	1,063	68	30	344	1,817	115	16	0	64	0	1,531	5,252	2.92

TABLE C-8A (continued)
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1984

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	648	57	23	338	27	10	21	41	693	9	1	58	0	641	1,919	2.96
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	840	35	35	203	7	4	36	26	45	848	0	33	0	1,159	2,431	2.89
10. MOTOR VEHICLE ACCIDENTS (810-825)	762	1	3	46	4	2	5	2	10	4	762	7	0	1,752	2,598	3.41
11. OTHER ACCIDENTS (800-809, 826-949)	1,118	42	38	356	36	10	49	21	58	18	0	1,165	0	2,155	3,948	3.53
12. SUICIDE AND HOMICIDE (950-969)	747	4	4	19	2	1	4	3	4	6	0	6	750	1,239	2,042	2.73
13. ALL OTHER CAUSES	7,469	389	329	3,089	427	218	636	240	501	94	5	481	1	15,388	21,798	2.92

*MENTIONED CAUSES EXCEED UNDERLYING CAUSES DUE TO RELATED ENTITIES.

TABLE C-8B
DEATHS DUE TO MALIGNANT NEOPLASMS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1984

MENTIONED CONDITIONS	UNDERLYING CAUSE						
	TOTAL	DIGESTIVE ORGANS & PERITONEUM (150-159)	RESPIRATORY & INTRATHORACIC ORGANS (160-165)	BONE, CONNECTIVE TISSUE, SKIN & BREAST (170-175)	GENITO-URINARY ORGANS (179-189)	LYMPHATIC & HAEMATOPOIETIC TISSUE (200-208)	ALL OTHER MALIGNANT NEOPLASMS
TOTAL MENTIONED COND.	30,459	8,245	7,355	3,857	4,607	2,748	3,647
MEAN NUMBER OF MENTIONED CONDITION PER RECORD	2.33	2.33	2.31	2.28	2.41	2.43	2.30
DEATHS	13,045	3,537	3,188	1,688	1,914	1,129	1,589
1. MALIGNANT NEOPLASMS (140-208)	17,548	4,890	4,265	2,445	2,624	1,251	2,073
2. DIABETES MELLITUS (250)	424	134	96	49	62	37	46
3. DISEASES OF THE HEART (390-398, 402, 404-429)	3,392	903	751	386	562	325	465
4. CEREBROVASCULAR DISEASE (430-438)	298	75	50	41	44	49	39
5. ATHEROSCLEROSIS (440)	102	30	16	15	21	9	11
6. PNEUMONIA & INFLUENZA (480-487)	796	120	277	76	94	132	97
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	537	88	308	28	58	13	42
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	470	108	133	54	64	41	70
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	86	41	9	2	7	10	17
10. ACCIDENTS (E800-E949)	260	78	66	27	38	25	26
ALL OTHER CAUSES	6,546	1,778	1,384	734	1,033	856	761

TABLE C-9
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1984

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS / %	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS / %	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS / %
0-39	TOTAL	3,200	0	3	3 / 0.1	2	12	14 / 0.4	31	28	59 / 1.8
	MALE	2,123	0	3	3 / 0.1	2	7	9 / 0.4	16	16	32 / 1.5
	FEMALE	1,077	0	0	0	0	5	5 / 0.5	15	12	27 / 2.5
40-49	TOTAL	1,705	1	11	12 / 0.7	14	59	73 / 4.3	24	62	86 / 5.0
	MALE	1,067	1	8	9 / 0.8	12	38	50 / 4.7	13	40	53 / 5.0
	FEMALE	638	0	3	3 / 0.5	2	21	23 / 3.6	11	22	33 / 5.2
50-59	TOTAL	4,643	9	84	93 / 2.0	51	219	270 / 5.8	71	244	315 / 6.8
	MALE	2,881	5	52	57 / 2.0	34	137	171 / 5.9	44	134	178 / 6.2
	FEMALE	1,762	4	32	36 / 2.0	17	82	99 / 5.6	27	110	137 / 7.8
60-69	TOTAL	9,945	28	205	233 / 2.3	119	507	626 / 6.3	186	701	887 / 8.9
	MALE	5,994	19	132	151 / 2.5	58	306	364 / 6.1	98	401	506 / 8.4
	FEMALE	3,951	9	73	82 / 2.1	61	201	262 / 6.6	88	300	388 / 9.8

TABLE C-9 (continued)
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1984

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL # OF DEATHS
70-79	TOTAL	14,865	110	553	663 4.5	194	854	1,048 7.1	278	1,135	1,413 9.5
	MALE	7,804	44	296	340 4.4	70	344	414 5.3	138	505	643 8.2
	FEMALE	7,061	66	257	323 4.6	124	510	634 9.0	140	630	770 10.9
80 & OVER	TOTAL	20,828	508	1,389	1,897 9.1	318	1,028	1,346 6.5	320	1,216	1,536 7.4
	MALE	7,386	125	392	517 7.0	74	264	338 4.6	80	387	467 6.3
	FEMALE	13,442	383	997	1,380 10.3	244	764	1,008 7.5	240	829	1,069 8.0
GRAND TOTAL	TOTAL*	55,189	656	2,245	2,901 5.3	698	2,679	3,377 6.1	910	3,386	4,296 7.8
TOTAL	MALE	27,256	194	883	1,077 4.0	250	1,096	1,346 4.9	389	1,483	1,872 6.9
TOTAL	FEMALE	27,933	462	1,362	1,824 6.5	448	1,583	2,031 7.3	521	1,903	2,424 8.7

*TOTAL INCLUDES THREE DEATHS OF UNKNOWN AGE.

TABLE C-10
SUICIDES BY CAUSE, SEX AND AGE, MASSACHUSETTS RESIDENTS
1984

		TOTAL	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
ALL SUICIDES	M	399	4	28	106	82	49	56	28	29	17
	F	136	0	5	23	31	16	31	13	15	2
	T	535	4	33	129	113	65	87	41	44	19
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
POISONING BY	M	26	0	0	8	9	4	1	1	2	1
SOLID OR LIQUID	F	50	0	1	8	17	7	7	5	3	2
SUBSTANCE (E950)	T	76	0	1	16	26	11	8	6	5	3
	%	14.2		3.0	12.4	23.0	16.9	9.2	14.6	11.4	15.8
POISONING BY	M	47	0	4	10	12	6	7	3	3	2
GASES AND VAPORS	F	13	0	1	1	4	2	3	0	2	0
(NOT DOMESTIC	T	60	0	5	11	16	8	10	3	5	2
GAS)(E952)	%	11.2		15.2	8.5	14.1	12.3	11.5	7.3	11.4	10.5
HANGING, STRAN-	M	135	4	6	34	24	18	22	13	9	5
GULATION AND	F	37	0	0	7	5	3	12	3	7	0
SUFFOCATION	T	172	4	6	41	29	21	34	16	16	5
(E953)	%	32.2	100.0	18.2	31.8	25.7	32.3	39.1	39.0	36.3	26.3
SUBMERSION	M	9	0	0	5	1	2	0	0	1	0
(DROWNING)	F	8	0	0	0	0	0	4	2	2	0
(E954)	T	17	0	0	5	1	2	4	2	3	0
	%	3.2			3.9	0.9	3.1	4.6	4.9	6.8	
FIREARMS AND	M	143	0	13	44	27	18	19	6	12	4
EXPLOSIVES	F	16	0	3	6	2	2	3	0	0	0
(E955)	T	159	0	16	50	29	20	22	6	12	4
	%	29.7		48.4	38.7	25.7	30.8	25.3	14.6	27.3	21.1
CUTTING AND	M	5	0	2	0	0	0	1	2	0	0
PIERCING	F	1	0	0	0	0	0	1	0	0	0
INSTRUMENTS	T	6	0	2	0	0	0	2	2	0	0
(E956)	%	1.1		6.1				2.3	4.9		
JUMPING FROM	M	26	0	2	4	8	1	4	2	1	4
HIGH PLACES	F	6	0	0	0	3	0	0	2	1	0
(E957)	T	32	0	2	4	11	1	4	4	2	4
	%	6.0		6.1	3.1	9.7	1.5	4.6	9.8	4.5	21.1
OTHER AND	M	8	0	1	1	1	0	2	1	1	1
UNSPECIFIED	F	5	0	0	1	0	2	1	1	0	0
MEANS (E958)	T	13	0	1	2	1	2	3	2	1	1
	%	2.4		3.0	1.6	0.9	3.1	3.4	4.9	2.3	5.2

TABLE C-11
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1984

TYPE OF ACCIDENT		- VICTIM - TOTAL	DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPECIFIED
TOTAL	M	543	228	68	82	4	100	8	53
	F	219	71	70	1	5	47	3	22
	T	762	299	138	83	9	147	11	75
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
COLLISION WITH	M	165	88	20	44	1	0	0	12
ANOTHER MOTOR	F	92	39	43	0	4	0	0	6
VEHICLE (E812)	T	257	127	63	44	5	0	0	18
	%	33.7	42.5	45.7	53.0	55.6			24.0
COLLISION WITH	M	8	0	0	0	0	0	8	0
ANOTHER VEHICLE	F	3	0	0	0	0	0	3	0
(E813)	T	11	0	0	0	0	0	11	0
	%	1.4						100.0	
MOTOR VEHICLE	M	98	0	0	0	0	98	0	0
WITH PEDESTRIAN	F	47	0	0	0	0	47	0	0
(E814)	T	145	0	0	0	0	145	0	0
	%	19.0					98.6		
OTHER MOTOR	M	182	106	38	28	2	0	0	8
VEHICLE ACCIDENT	F	50	25	20	0	1	0	0	4
HIGHWAY COLLISION	T	232	131	58	28	3	0	0	12
(E815)	%	30.5	43.8	42.0	33.8	33.3			16.0
LOST CONTROL	M	47	29	8	7	0	0	0	3
WITHOUT COLLISION	F	10	5	2	1	0	0	0	2
(E816)	T	57	34	10	8	0	0	0	5
	%	7.5	11.4	7.2	9.6				6.7
OTHER NON-COLLI-	M	11	3	2	2	0	0	0	4
SION MOTOR VEHI-	F	5	2	2	0	0	0	0	1
CLE (E818)	T	16	5	4	2	0	0	0	5
	%	2.1	1.7	2.9	2.4				6.7

TABLE C-11 (continued)
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1984

TYPE OF ACCIDENT		- VICTIM - TOTAL	DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPECIFIED
MOTOR VEHICLE OF	M	25	1	0	1	1	0	0	22
UNSPECIFIED	F	12	0	3	0	0	0	0	9
NATURE (E819)	T	37	1	3	1	1	0	0	31
	%	4.9	0.3	2.2	1.2	11.1			41.3
NONTRAFFIC	M	2	1	0	0	0	0	0	1
MOTOR DRIVEN	F	0	0	0	0	0	0	0	0
SNOW VEHICLE	T	2	1	0	0	0	0	0	1
(E820)	%	0.3	0.3						1.3
OTHER MOTOR VEH-	M	1	0	0	0	0	1	0	0
ICLE NONTRAFFIC	F	0	0	0	0	0	0	0	0
COLLISION WITH	T	1	0	0	0	0	1	0	0
MOVING OBJECT	%	0.1					0.7		
(E822)									
OTHER MOTOR VEH-	M	1	0	0	0	0	0	0	1
ICLE NONTRAFFIC	F	0	0	0	0	0	0	0	0
COLLISION WITH	T	1	0	0	0	0	0	0	1
STATIONARY OBJECT	%	0.1							1.3
(E823)									
OTHER MOTOR VEH-	M	3	0	0	0	0	1	0	2
ICLE NONTRAFFIC	F	0	0	0	0	0	0	0	0
OTHER & UNSPECI-	T	3	0	0	0	0	1	0	2
FIED NATURE(E825)	%	0.4					0.7		2.7

TABLE C-12

MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE

1984

AGE	RACE/SEX	- CAUSE - TOTAL DEATHS CERT. BY M.E.	MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LGL INTER-VENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND-UNK CAUSES (780-796)
TOTAL	WHITE M	7,383	529	468	382	107	47	5,717	133
	WHITE F	4,843	200	265	137	42	21	4,102	76
	NON-W M	386	18	42	16	41	10	236	23
	NON-W F	214	9	16	3	12	2	160	12
	*TOTAL	12,827	756	791	538	202	80	10,215	245
<1	WHITE M	81	1	6	0	1	0	22	51
	WHITE F	50	0	3	0	1	1	21	24
	NON-W M	13	0	1	0	0	0	5	7
	NON-W F	10	1	1	0	0	0	1	7
	TOTAL	154	2	11	0	2	1	49	89
1-4	WHITE M	24	3	10	0	1	0	9	1
	WHITE F	14	1	6	0	0	0	6	1
	NON-W M	6	0	2	0	1	0	1	2
	NON-W F	3	0	0	0	2	1	0	0
	TOTAL	47	4	18	0	4	1	16	4
5-9	WHITE M	18	9	4	0	2	0	2	1
	WHITE F	17	4	6	0	2	0	5	0
	NON-W M	1	1	0	0	0	0	0	0
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	36	14	10	0	4	0	7	1
10-14	WHITE M	30	11	9	4	0	0	6	0
	WHITE F	12	4	2	0	0	0	5	1
	NON-W M	2	1	0	0	0	0	1	0
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	44	16	11	4	0	0	12	1
15-19	WHITE M	187	107	28	24	12	3	8	5
	WHITE F	58	29	7	5	4	1	9	3
	NON-W M	20	3	4	2	7	1	1	2
	NON-W F	2	0	1	0	0	0	1	0
	TOTAL	267	139	40	31	23	5	19	10
20-29	WHITE M	493	182	94	101	31	15	45	25
	WHITE F	139	47	21	24	12	5	20	10
	NON-W M	46	8	5	2	16	3	11	1
	NON-W F	19	3	3	1	6	0	6	0
	TOTAL	697	240	123	128	65	23	82	36
30-39	WHITE M	447	75	76	81	31	16	148	20
	WHITE F	125	20	8	32	2	4	50	9
	NON-W M	53	2	10	4	8	5	19	5
	NON-W F	22	3	3	0	2	1	10	3
	TOTAL	647	100	97	117	43	26	227	37
40-44	WHITE M	228	28	23	29	7	1	135	5
	WHITE F	81	9	5	10	1	4	49	3
	NON-W M	26	1	4	0	4	0	14	3
	NON-W F	6	0	0	0	0	0	6	0
	TOTAL	341	38	32	39	12	5	204	11
45-49	WHITE M	268	19	21	23	7	2	192	4
	WHITE F	81	6	7	6	1	0	59	2
	NON-W M	26	0	4	0	3	0	18	1
	NON-W F	11	1	2	0	1	0	7	0
	TOTAL	386	26	34	29	12	2	276	7

TABLE C-12 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1984

AGE	RACE/SEX	- CAUSE - TOTAL DEATHS CERT. BY M.E.	MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LEG INTER-VENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND UNK CAUSES (780-796)
50-54	WHITE M	444	9	22	20	4	1	385	3
	WHITE F	147	3	7	14	3	0	119	1
	NON-W M	32	1	0	2	0	1	28	0
	NON-W F	17	1	1	0	1	0	14	0
	TOTAL	640	14	30	36	8	2	546	4
55-59	WHITE M	626	12	29	31	3	2	549	0
	WHITE F	239	8	6	17	2	0	203	3
	NON-W M	37	0	4	2	0	0	29	2
	NON-W F	15	0	0	0	0	0	15	0
	TOTAL	917	20	39	50	5	2	796	5
60-64	WHITE M	824	14	29	17	2	2	756	4
	WHITE F	378	11	10	7	1	2	339	8
	NON-W M	28	0	0	0	1	0	27	0
	NON-W F	20	0	0	1	0	0	18	1
	TOTAL	1,250	25	39	25	4	4	1,140	13
65-69	WHITE M	892	10	19	9	2	2	848	2
	WHITE F	496	9	15	5	2	0	464	1
	NON-W M	22	0	2	2	0	0	18	0
	NON-W F	20	0	2	0	0	0	17	1
	TOTAL	1,430	19	38	16	4	2	1,347	4
70-74	WHITE M	953	17	21	17	0	1	890	7
	WHITE F	634	14	22	6	3	1	587	1
	NON-W M	23	0	1	0	0	0	22	0
	NON-W F	18	0	1	1	0	0	16	0
	TOTAL	1,628	31	45	24	3	2	1,515	8
75-79	WHITE M	741	17	20	10	2	0	692	0
	WHITE F	725	15	29	8	4	2	664	3
	NON-W M	21	0	2	1	1	0	17	0
	NON-W F	8	0	0	0	0	0	8	0
	TOTAL	1,495	32	51	19	7	2	1,381	3
80+	WHITE M	1,126	15	57	16	2	2	1,029	5
	WHITE F	1,646	20	111	3	4	1	1,501	6
	NON-W M	30	1	3	1	0	0	25	0
	NON-W F	43	0	2	0	0	0	41	0
	TOTAL	2,845	36	173	20	6	3	2,596	11
UNKWN	WHITE M	1	0	0	0	0	0	1	0
	WHITE F	1	0	0	0	0	0	1	0
	NON-W M	0	0	0	0	0	0	0	0
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	* 3	0	0	0	0	0	2	* 1

*TOTAL INCLUDES ONE FEMALE OF UNKNOWN RACE.

TABLE C-13
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1984

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
BARNSTABLE	147,925 2.6 9	1,880 3.4 9	596 4.7 9	31.7	47	487	81.7
BERKSHIRE	145,110 2.5 10	1,627 2.9 10	300 2.3 10	18.4	131	211	70.3
BRISTOL	474,641 8.3 6	4,251 7.6 7	1,265 9.9 4	29.8	74	1,097	86.7
DUKES	8,942 0.2 13	100 0.2 13	28 0.2 13	28	2	26	92.9
ESSEX	633,632 11.0 4	6,242 11.2 4	1,558 12.2 2	25	122	1,305	83.8
FRANKLIN	64,317 1.1 11	479 0.8 12	106 0.8 12	22.1	21	87	82.1
HAMPDEN	443,018 7.7 7	4,690 8.4 6	1,081 8.4 6	23.0	369	863	79.8
HAMPSHIRE	138,813 2.4 12	904 1.6 11	229 1.8 11	25.3	76	185	80.8

TABLE C-13 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1984

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
MIDDLESEX	1,367,034 23.8 1	11,396 20.4 1	3,122 24.3 1	27.4	650	2,641	84.6
NANTUCKET	5,087 0.1 14	55 0.1 14	10 0.1 14	18.2	0	8	80.0
NORFOLK	606,587 10.6 5	4,730 8.4 5	971 7.6 8	20.5	288	791	81.5
PLYMOUTH	405,437 7.1 8	3,073 5.5 8	1,052 8.2 7	34.2	102	856	81.4
SUFFOLK	650,142 11.3 2	10,143 18.1 2	1,416 11.0 3	14.0	1,706	905	63.9
WORCESTER	646,352 11.3 3	6,371 11.4 3	1,093 8.5 5	17.2	647	753	68.9
TOTAL	5,737,037 100.0 NA	55,941	12,827	22.9	4,235	10,215	79.6

TABLE C-14A
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1984

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ABINGTON	52	27	13	3	1	2	4	0	4	0	0	22	128
ACTON	26	16	8	2	2	5	1	3	1	1	2	15	82
ACUSHNET	33	23	8	0	2	2	3	5	2	1	1	10	90
ADAMS	64	25	11	0	2	7	6	2	1	4	0	19	141
AGAWAM	83	53	14	5	4	7	5	4	4	6	3	22	210
ALFORD	2	0	2	0	0	0	0	0	0	0	0	0	4
AMESBURY	69	39	11	1	3	5	5	4	2	2	2	14	157
AMHERST	40	23	8	1	3	1	1	2	1	0	2	14	96
ANDOVER	79	52	11	4	0	11	4	1	4	3	2	24	195
ARLINGTON	183	147	38	1	15	28	18	11	14	5	4	83	547
ASHBURNHAM	24	9	4	1	0	0	2	3	0	0	0	1	44
ASHBY	6	0	1	1	1	1	0	1	0	0	1	4	16
ASHFIELD	2	7	2	0	0	0	1	0	0	0	0	3	15
ASHLAND	17	11	3	1	3	2	2	1	0	2	0	11	53
ATHOL	46	31	5	2	1	11	6	3	1	1	2	25	134
ATTLEBORO	110	61	41	7	4	7	12	1	6	2	2	46	299
AUBURN	40	43	7	3	3	5	6	1	6	3	0	26	143
AVON	22	6	1	0	2	2	5	0	2	1	0	6	47
AYER	20	13	2	2	0	4	0	0	0	0	2	14	57
BARNSTABLE	158	125	32	6	12	23	9	8	8	6	4	68	459
BARRE	11	14	4	1	0	1	1	1	0	0	0	5	38
BECKET	2	2	1	0	1	0	1	1	0	0	0	0	8
BEDFORD	37	28	9	2	2	4	2	2	0	2	2	15	105
BELCHERTOWN	22	14	1	1	2	2	3	0	2	0	0	11	58
BELLINGHAM	28	20	6	5	1	5	1	1	0	0	0	12	79
BELMONT	130	59	28	5	10	15	8	7	3	4	1	50	320
BERKLEY	8	4	2	0	0	0	2	1	0	0	2	2	21
BERLIN	6	7	4	0	1	0	0	0	0	0	1	3	22
BERNARDSTON	4	3	1	0	0	0	1	1	0	0	0	1	11
BEVERLY	156	91	22	1	15	15	13	14	4	7	3	58	399
BILLERICA	78	42	12	8	7	4	11	4	3	4	5	30	208
BLACKSTONE	25	15	2	1	0	0	1	1	1	0	1	9	56
BLANDFORD	1	5	1	0	0	0	0	0	0	0	0	1	8
BOLTON	7	3	1	0	0	0	0	0	0	0	0	4	15
BOSTON	2125	1301	303	50	115	237	161	83	103	34	63	1152	5727
BOURNE	44	36	8	0	3	3	5	2	2	1	6	23	133
BOXBOROUGH	4	0	0	1	1	0	0	0	0	0	0	2	8
BOXFORD	7	8	2	0	0	1	2	0	0	0	1	1	22
BOYLSTON	8	5	4	1	1	3	0	0	0	0	1	6	29
BRAINTREE	132	81	35	2	4	14	16	4	8	3	1	49	349

BREWSTER	30	11	6	0	1	1	1	2	0	4	1	10	67
BRIDGEWATER	44	21	12	3	0	2	4	2	3	0	4	15	110
BRIMFIELD	7	1	2	2	0	2	2	0	0	0	0	3	19
BROCKTON	378	235	64	16	23	36	29	6	14	7	8	144	960
BROOKFIELD	11	7	2	0	0	0	0	1	0	0	0	10	31
BROOKLINE	229	150	38	6	18	19	16	7	3	4	5	91	586
BUCKLAND	11	5	2	2	1	0	0	0	0	0	1	0	22
BURLINGTON	39	38	7	2	5	1	3	5	1	0	0	16	117
CAMBRIDGE	306	175	44	10	26	30	24	19	18	5	8	137	802
CANTON	65	45	14	5	2	2	4	3	2	0	0	15	157
CARLISLE	2	4	0	0	1	0	0	0	1	1	0	2	11
CARVER	22	16	8	0	3	2	2	0	1	0	0	9	63
CHARLEMONT	3	1	0	0	1	0	0	1	0	0	0	2	8
CHARLTON	26	8	4	0	1	4	0	3	2	1	0	14	63
CHATHAM	44	25	9	1	1	1	4	2	0	4	0	18	109
CHELMSFORD	68	47	13	6	2	8	13	5	2	10	1	31	206
CHELSEA	150	72	15	1	8	14	12	4	9	1	7	68	361
CHESHIRE	10	6	3	0	0	0	1	1	1	0	0	1	23
CHESTER	7	5	0	0	0	0	0	1	1	0	0	1	15
CHESTERFIELD	0	3	0	1	0	0	0	0	0	0	0	3	7
CHICOPEE	240	120	48	6	11	16	22	6	6	3	1	82	561
CHILMARK	1	0	0	0	0	0	0	0	0	0	0	0	1
CLARKSBURG	6	6	1	0	0	1	1	0	0	0	0	2	17
CLINTON	38	26	9	1	3	2	2	1	2	1	2	25	112
COHASSET	20	7	6	0	2	2	1	1	1	1	0	7	48
COLRAIN	5	2	0	0	0	2	1	0	1	0	0	2	13
CONCORD	53	37	17	3	4	7	4	1	0	1	2	27	156
CONWAY	4	1	1	0	0	0	0	0	0	0	1	2	9
CUMMINGTON	4	3	1	1	0	0	0	1	0	0	0	2	12
DALTON	28	21	7	2	2	0	5	1	2	1	0	9	78
DANVERS	117	54	15	3	3	13	14	2	5	4	0	45	275
DARTMOUTH	83	69	19	4	3	11	9	2	2	2	0	30	234
DEDHAM	95	69	15	4	1	4	8	3	5	0	2	30	236
DEERFIELD	15	7	3	0	2	2	0	1	0	0	0	4	34
DENNIS	63	39	19	4	3	3	5	9	1	5	0	22	173
DIGHTON	17	6	6	1	2	0	6	1	1	0	0	7	47
DOUGLAS	17	6	1	2	0	1	2	0	1	0	0	4	34
DOVER	9	8	1	0	0	1	0	0	1	0	0	3	23
DRACUT	77	38	11	1	4	1	2	4	1	2	6	24	171
DUDLEY	27	19	8	0	4	4	0	1	2	2	1	15	83
DUNSTABLE	0	2	0	1	1	0	1	0	0	0	0	2	7
DUXBURY	31	20	3	2	1	2	4	3	1	0	0	14	81
EAST BRIDGEWATER	45	24	8	1	0	5	3	2	0	0	1	6	95
EAST BROOKFIELD	7	1	0	2	0	1	1	0	0	0	0	0	12
EAST LONGMEADOW	70	21	9	2	2	5	7	2	1	2	3	9	133
EASTHAM	15	20	5	2	0	0	1	0	2	1	0	7	53
EASTHAMPTON	47	32	11	1	3	8	6	3	3	1	1	19	135
EASTON	43	34	8	2	3	8	5	2	4	0	2	13	124
EDGARTOWN	10	9	3	1	1	0	1	0	0	0	0	4	29
EGREMONT	2	4	0	1	0	0	0	0	0	1	0	2	10

TABLE C-14A (CONTINU
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1984

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ERVING	4	3	1	0	0	0	0	1	0	2	0	0	11
ESSEX	5	11	0	1	0	0	1	0	0	0	1	5	24
EVERETT	154	91	18	4	11	13	27	5	7	1	2	60	393
FAIRHAVEN	91	65	20	1	2	4	3	3	4	6	2	26	227
FALL RIVER	462	255	117	10	15	12	25	20	9	12	7	117	1061
FALMOUTH	92	76	26	3	6	8	14	2	2	1	2	46	278
FITCHBURG	174	88	49	7	4	11	18	5	4	8	5	56	429
FLORIDA	5	1	0	0	0	0	0	0	0	0	1	1	8
FOXBOROUGH	39	21	4	3	3	3	4	1	1	1	0	22	102
FRAMINGHAM	227	118	46	5	11	26	19	5	8	2	4	78	549
FRANKLIN	59	31	9	5	3	6	2	3	0	2	2	22	144
FREETOWN	28	14	2	1	0	0	3	1	0	0	2	7	58
GARDNER	83	49	7	11	6	9	8	0	4	2	3	37	219
GAY HEAD	0	1	0	0	0	0	0	0	0	0	0	1	2
GEORGETOWN	16	11	2	2	1	3	1	0	0	2	0	4	42
GILL	3	0	1	1	0	0	1	0	0	0	0	2	8
GLOUCESTER	102	70	25	5	9	11	11	4	3	2	4	34	280
GOSHEN	3	2	1	1	0	0	0	0	1	0	0	0	8
GOSNOLD	0	0	0	0	1	0	0	0	0	0	0	0	1
GRAFTON	35	28	6	2	0	4	3	1	2	2	2	19	104
GRANBY	16	7	2	0	2	2	0	0	0	1	3	2	35
GRANVILLE	6	4	0	1	0	0	0	0	0	0	0	1	12
GREAT BARRINGTON	36	18	9	1	2	4	4	1	1	3	1	19	99
GREENFIELD	55	47	24	3	3	17	5	2	2	4	1	36	199
GROTON	12	9	1	1	1	1	4	0	2	0	0	11	42
GROVELAND	10	5	2	1	0	1	2	0	0	2	2	3	28
HADLEY	14	9	6	0	0	1	1	1	0	0	1	5	38
HALIFAX	20	13	2	3	0	1	3	2	0	0	0	7	51
HAMILTON	12	9	2	0	0	0	1	0	0	0	1	9	34
HAMPDEN	9	7	2	1	0	0	2	0	0	0	0	9	30
HANCOCK	3	0	0	0	0	0	0	0	0	0	0	0	3
HANOVER	31	17	3	2	0	4	0	1	1	1	3	10	73
HANSON	22	11	1	2	1	0	0	2	0	0	4	8	51
HARDWICK	19	7	3	1	1	1	0	0	0	0	0	2	34
HARVARD	5	10	2	2	1	0	0	0	0	0	0	7	27
HARWICH	44	34	8	0	3	4	8	5	3	13	2	23	147
HATFIELD	10	7	4	0	0	1	3	1	0	0	1	4	31
HAVERHILL	221	132	24	7	8	23	19	12	6	28	5	82	567
HAWLEY	0	0	0	0	0	0	0	0	0	0	0	0	0
HEATH	1	0	0	0	0	0	0	0	0	0	0	1	2

HINGHAM	58	36	14	3	3	5	4	0	1	0	1	18	143
HINSDALE	7	4	2	2	2	0	2	0	0	3	1	4	27
HOLBROOK	45	21	7	1	2	3	2	1	1	0	0	9	92
HOLDEN	41	25	11	2	4	3	2	4	2	1	0	18	113
HOLLAND	2	1	1	0	0	0	1	0	1	0	1	1	8
HOLLISTON	15	12	1	1	3	7	2	0	0	0	2	10	53
HOLYOKE	269	121	54	6	9	34	27	13	13	4	3	100	653
HOPEDALE	12	11	1	1	1	3	0	0	0	0	0	7	36
HOPKINTON	17	15	6	0	1	4	0	0	2	0	0	10	55
HUBBARDSTON	4	3	0	0	1	1	0	0	0	0	0	1	10
HUDSON	51	26	3	3	2	4	2	1	1	0	1	12	106
HULL	24	25	3	2	3	3	4	1	4	0	2	21	92
HUNTINGTON	7	3	2	2	0	0	1	0	0	0	0	5	20
IPSWICH	35	29	9	3	2	2	4	1	5	1	0	11	102
KINGSTON	31	14	6	2	3	1	1	0	0	0	1	12	71
LAKEVILLE	22	10	3	1	1	1	4	0	0	2	2	11	57
LANCASTER	23	4	4	0	0	1	1	0	0	0	0	1	34
LANESBOROUGH	9	7	1	1	1	4	2	0	0	0	0	3	28
LAWRENCE	309	178	40	9	12	26	27	22	21	17	2	95	758
LEE	25	13	1	0	0	2	3	1	0	2	1	9	57
LEICESTER	44	25	5	1	0	1	1	0	0	0	1	11	89
LENOX	28	19	3	1	0	4	5	2	0	0	0	10	72
LEOMINSTER	104	87	28	6	6	12	11	4	6	3	4	38	309
LEVERETT	1	0	0	0	1	0	0	0	0	0	0	2	4
LEXINGTON	82	67	17	3	5	8	8	3	1	2	3	49	248
LEYDEN	0	0	0	0	0	0	0	0	0	0	0	0	0
LINCOLN	13	14	2	2	0	3	1	0	0	0	0	5	40
LITTLETON	19	20	3	3	2	3	1	1	1	1	1	8	63
LONGMEADOW	61	42	18	0	3	5	10	2	3	2	1	21	168
LOWELL	383	227	56	12	23	22	48	39	28	56	7	144	1045
LUDLOW	75	31	10	2	2	2	9	0	2	3	1	18	155
LUNENBURG	15	18	6	3	3	1	0	0	0	0	0	8	54
LYNN	396	240	64	8	18	34	29	13	20	10	15	151	998
LYNNFIELD	38	19	3	0	2	1	4	0	1	2	1	16	87
MALDEN	204	151	32	5	12	24	35	12	4	3	1	77	560
MANCHESTER	9	7	4	1	1	2	6	0	0	1	1	6	38
MANSFIELD	31	20	8	3	0	3	4	2	0	1	2	10	84
MARBLEHEAD	61	57	17	0	1	7	5	7	1	2	3	22	183
MARION	10	14	4	0	0	3	0	0	0	0	0	3	34
MARLBOROUGH	114	59	21	8	6	9	4	7	5	5	0	35	273
MARSHFIELD	63	34	12	2	3	3	3	1	3	1	2	24	151
MASHPEE	27	8	1	2	3	0	0	0	0	0	0	7	48
MATTAPOISETT	9	16	3	0	1	0	2	0	0	1	1	7	40
MAYNARD	35	22	7	1	2	3	5	0	3	0	0	21	99
MEDFIELD	18	18	6	1	1	4	1	3	1	1	1	7	62
MEDFORD	251	159	45	5	9	18	19	9	8	6	3	94	626
MEDWAY	22	16	2	0	1	1	0	0	0	1	1	6	50
MELROSE	129	73	29	5	2	9	16	7	9	3	3	27	312
MENDON	3	5	4	0	0	1	0	1	0	2	0	2	18
MERRIMAC	19	5	1	1	0	1	0	1	0	0	0	7	35

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1984

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
METHUEN	183	89	24	8	6	12	18	11	8	6	1	52	418
MIDDLEBOROUGH	73	41	19	1	4	8	5	3	2	1	3	19	179
MIDDLEFIELD	2	0	0	0	0	0	0	0	0	0	0	0	2
MIDDLETON	14	13	1	0	1	0	2	0	0	0	2	2	35
MILFORD	99	61	12	8	3	6	8	5	0	1	1	37	241
MILLBURY	47	27	0	0	3	9	5	1	2	1	2	14	111
MILLIS	17	12	0	1	2	0	0	3	1	0	0	7	43
MILLVILLE	9	4	1	0	0	1	0	0	0	0	0	1	16
MILTON	121	58	20	8	5	18	2	3	6	3	5	35	284
MONROE	0	1	0	0	0	0	0	0	0	0	0	0	1
MONSON	21	14	5	1	3	0	2	0	1	1	0	11	59
MONTAGUE	35	13	9	1	2	4	3	0	3	0	0	15	85
MONTERY	2	1	0	1	0	0	0	0	0	1	0	2	7
MONTGOMERY	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUNT WASHINGTON	0	1	1	0	0	0	0	0	0	0	0	0	2
NAHANT	20	10	4	1	1	2	2	1	0	0	0	6	47
NANTUCKET	19	14	7	0	0	2	1	5	4	1	2	4	59
NATICK	97	71	11	5	7	13	12	4	3	1	3	35	262
NEEDHAM	92	54	14	0	6	9	7	3	3	4	1	40	233
NEW ASHFORD	0	2	0	0	0	0	0	0	0	0	0	0	2
NEW BEDFORD	454	251	103	7	21	40	17	38	18	18	15	170	1152
NEW BRAINTREE	2	0	0	0	0	0	0	0	0	0	0	2	4
NEW MARLBOROUGH	4	4	2	1	0	0	0	1	0	0	0	2	14
NEW SALEM	2	0	0	0	0	1	0	0	0	0	0	0	3
NEWBURY	22	16	2	1	0	0	2	0	0	2	0	8	53
NEWBURYPORT	66	38	16	1	5	5	8	2	2	5	2	19	169
NEWTON	238	189	57	7	13	28	16	14	8	6	2	120	748
NORFOLK	8	6	0	0	0	2	0	0	0	0	1	4	21
NORTH ADAMS	110	56	14	2	8	5	7	6	2	1	2	34	247
NORTH ANDOVER	65	39	14	1	4	12	6	0	4	3	3	22	173
NORTH ATTLEBORO	62	45	17	3	2	6	3	2	1	1	0	19	161
NORTH BROOKFIELD	22	14	1	0	1	2	1	1	1	1	0	3	47
NORTH READING	23	19	5	0	0	1	0	1	0	1	2	13	65
NORTHAMPTON	106	51	33	4	6	17	16	4	6	1	6	44	294
NORTHBOROUGH	22	12	7	1	2	0	3	0	0	0	0	8	55
NORTHBRIDGE	42	29	5	3	0	5	1	3	1	4	1	18	112
NORTHFIELD	8	3	1	0	0	0	0	0	0	0	1	7	20
NORTON	17	19	10	4	0	2	3	1	1	1	2	9	69
NORWELL	33	13	7	1	3	2	3	2	0	0	0	8	72
NORWOOD	126	75	29	3	3	8	3	6	5	6	3	50	317

OAK BLUFFS	10	13	3	0	0	0	0	0	0	0	0	6	32
OAKHAM	5	0	0	0	0	0	0	0	0	0	0	2	7
ORANGE	29	10	6	3	1	2	2	1	0	0	1	13	68
ORLEANS	29	20	7	1	4	5	3	1	2	3	0	10	85
OTIS	1	2	0	1	0	0	1	0	0	0	0	0	5
OXFORD	29	24	7	0	2	5	2	1	1	0	3	13	87
PALMER	53	34	12	1	1	3	9	0	0	0	0	20	133
PAXTON	6	4	0	0	1	1	2	0	1	0	0	3	18
PEABODY	173	108	21	9	4	11	13	3	8	4	3	49	406
PELHAM	2	1	0	0	0	0	0	0	0	0	0	2	5
PEMBROKE	32	16	4	4	3	3	1	2	0	0	0	14	79
PEPPERELL	12	11	1	1	1	1	3	1	0	0	2	7	40
PERU	0	2	0	0	0	0	0	0	0	0	1	1	4
PETERSHAM	3	2	1	0	1	0	0	0	0	0	0	0	7
PHILLIPSTON	3	2	0	0	1	1	0	0	0	0	2	0	9
PITTSFIELD	204	117	43	7	9	17	14	12	13	6	7	87	536
PLAINFIELD	2	0	0	0	0	0	1	0	0	0	0	0	3
PLAINVILLE	19	6	4	0	2	6	1	0	2	0	0	7	47
PLYMOUTH	139	90	19	8	1	7	11	3	7	4	5	47	341
PLYMPTON	2	2	1	0	0	0	0	1	0	0	0	0	6
PRINCETON	3	3	0	0	1	1	1	0	0	1	0	0	10
PROVINCETOWN	17	9	2	0	2	2	2	2	2	0	1	12	51
QUINCY	370	266	69	15	30	33	36	16	26	3	10	155	1029
RANDOLPH	101	66	15	2	3	7	9	5	5	0	2	49	264
RAYNHAM	25	21	5	2	2	0	3	0	1	1	1	7	68
READING	60	52	12	2	4	9	3	0	4	1	0	22	169
REHOBOTH	13	12	6	6	0	2	0	0	1	1	1	5	47
REVERE	185	113	25	2	6	16	22	8	10	4	4	63	458
RICHMOND	5	1	0	1	0	1	0	0	0	0	0	1	9
ROCHESTER	7	6	0	1	0	1	1	0	0	0	0	2	18
ROCKLAND	46	24	13	3	3	0	4	2	2	0	1	19	117
ROCKPORT	28	18	6	0	2	5	2	2	0	1	2	18	84
ROWE	3	1	1	1	0	0	0	0	0	0	0	0	6
ROWLEY	9	4	3	0	2	2	1	0	0	0	0	5	26
ROYALSTON	2	1	0	1	1	0	0	0	1	0	0	0	6
RUSSELL	6	1	0	0	1	0	0	0	0	0	0	0	8
RUTLAND	8	9	2	2	0	1	0	0	1	0	0	4	27
SALEM	179	111	30	2	4	12	14	5	8	2	4	47	418
SALISBURY	22	18	7	1	3	3	2	1	3	0	0	11	71
SANDISFIELD	5	5	0	1	0	0	1	0	0	1	1	0	14
SANDWICH	25	23	8	4	4	2	3	1	0	1	1	13	85
SAUGUS	92	58	10	1	4	3	11	4	4	2	6	17	212
SAVOY	1	2	0	0	0	0	1	1	0	0	0	0	5
SCITUATE	58	36	7	5	8	3	4	1	1	1	4	23	151
SEEKONK	45	27	11	1	1	1	4	1	0	2	2	14	109
SHARON	38	24	8	1	2	4	2	1	2	3	0	12	97
SHEFFIELD	9	5	0	2	0	0	1	0	0	0	0	2	19
SHELBURNE	13	5	0	0	0	3	3	1	0	1	0	3	29
SHERBORN	6	4	0	0	0	1	0	0	0	0	0	2	13
SHIRLEY	13	7	2	0	0	3	1	0	0	1	1	4	32

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1984

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
SHREWSBURY	74	47	6	4	4	4	6	1	1	6	2	34	189
SHUTESBURY	2	0	0	0	0	0	0	0	0	0	0	0	2
SOMERSET	84	46	14	4	0	3	2	1	2	4	1	22	183
SOMERVILLE	330	219	49	7	15	20	42	20	18	7	9	106	842
SOUTH HADLEY	66	40	9	4	0	9	2	3	5	3	2	18	161
SOUTHAMPTON	11	6	2	0	1	0	3	3	2	0	0	3	31
SOUTHBOROUGH	12	9	1	1	0	3	0	0	1	0	1	7	35
SOUTHBRIDGE	110	38	14	0	9	5	6	5	1	3	0	24	215
SOUTHWICK	13	8	0	4	1	0	2	0	2	0	0	7	37
SPENCER	31	25	4	3	0	6	5	0	0	0	0	15	89
SPRINGFIELD	596	350	124	15	38	62	51	29	16	16	13	253	1563
STERLING	13	9	3	1	0	0	0	1	0	0	0	3	30
STOCKBRIDGE	12	6	2	0	1	0	1	0	0	0	2	0	24
STONEHAM	79	48	17	0	4	7	10	3	4	3	0	31	206
STOUGHTON	112	56	12	4	6	5	7	2	5	0	2	28	239
STOW	9	5	0	2	1	2	0	1	2	0	1	4	27
STURBRIDGE	19	7	1	0	1	1	0	0	1	0	1	5	36
SUDBURY	27	16	5	2	3	4	1	1	0	2	1	15	77
SUNDERLAND	7	3	0	0	0	0	0	0	1	1	1	4	17
SUTTON	14	8	0	1	1	1	0	0	0	0	0	8	33
SWAMPSCOTT	74	38	16	2	6	1	2	4	1	0	2	23	169
SWANSEA	56	36	13	2	3	2	1	2	1	2	0	14	132
TAUNTON	164	93	37	5	5	9	18	4	5	6	5	61	412
TEMPLETON	23	13	5	1	4	3	4	2	1	0	0	7	63
TEWKSBURY	64	34	3	8	2	3	7	1	4	2	1	23	152
TISBURY	11	15	7	0	0	2	3	3	0	0	0	6	47
TOLLAND	1	0	0	1	0	0	0	0	0	0	0	0	2
TOPSFIELD	8	5	2	0	2	1	2	0	1	0	0	4	25
TOWNSEND	13	12	4	1	2	1	1	4	1	0	2	10	51
TRURO	8	5	0	0	3	0	1	0	0	0	0	3	20
TYNGSBOROUGH	9	7	3	1	0	2	3	0	1	1	2	5	34
TYRINGHAM	0	0	0	0	0	0	0	0	0	0	0	0	0
UPTON	14	7	3	0	1	1	2	0	0	1	0	4	33
UXBRIDGE	29	16	5	2	1	3	2	0	0	0	0	14	72
WAKEFIELD	95	54	19	1	5	10	12	4	2	1	3	37	243
WALES	3	5	1	0	0	0	0	0	0	0	0	0	9
WALPOLE	43	42	10	2	6	8	2	1	3	0	0	12	129
WALTHAM	188	124	43	6	10	17	15	9	5	7	5	87	516
WARE	36	15	5	2	3	4	4	3	1	0	1	14	88
WAREHAM	84	50	16	6	3	4	6	2	1	0	1	32	205

WARREN	18	7	3	0	1	3	1	0	0	1	0	4	38
WARWICK	1	0	2	0	0	0	0	0	0	0	0	0	3
WASHINGTON	4	2	0	0	0	1	0	0	1	0	1	1	10
WATERTOWN	150	89	22	1	7	15	13	6	4	6	3	59	375
WAYLAND	19	21	3	0	2	3	2	1	0	1	0	7	59
WEBSTER	76	33	10	2	12	7	6	6	4	3	1	27	187
WELLESLEY	64	59	21	1	4	10	4	3	4	4	2	30	206
WELLFLEET	7	12	3	0	1	0	0	2	1	0	0	5	31
WENDELL	0	0	0	0	0	0	0	0	0	1	0	0	1
WENHAM	10	8	5	0	0	0	1	0	0	0	1	4	29
WEST BOYLSTON	26	13	4	2	1	0	3	1	0	2	0	9	61
WEST BRIDGEWATER	19	14	6	1	0	3	1	0	1	0	0	8	53
WEST BROOKFIELD	18	6	4	3	2	3	1	0	0	0	0	3	40
WEST NEWBURY	2	1	2	0	0	1	0	0	0	1	0	1	8
WEST SPRINGFIELD	108	52	20	3	6	18	9	5	4	3	3	38	269
WEST STOCKBRIDGE	2	2	0	0	0	0	1	0	0	0	0	2	7
WEST TISBURY	1	0	0	0	0	0	0	0	0	0	0	2	3
WESTBOROUGH	35	17	1	3	3	5	0	0	1	1	0	19	85
WESTFIELD	133	71	21	4	8	7	10	2	2	3	5	35	301
WESTFORD	24	21	4	1	1	0	2	1	1	2	0	11	68
WESTHAMPTON	4	0	0	0	0	0	0	0	1	0	0	0	5
WESTMINSTER	16	11	2	5	2	2	1	0	0	0	0	5	44
WESTON	20	17	4	1	1	4	3	1	0	2	0	22	75
WESTPORT	52	22	12	2	5	1	3	1	0	0	2	6	106
WESTWOOD	40	25	3	2	0	2	1	2	0	2	0	13	90
WEYMOUTH	233	119	50	11	7	15	18	6	10	2	3	69	543
WHATELY	5	5	0	1	0	0	0	0	0	0	0	4	15
WHITMAN	42	22	4	1	1	2	2	2	0	1	2	9	88
WILBRAHAM	36	25	5	3	0	1	1	1	1	1	0	12	86
WILLIAMSBURG	5	3	1	0	0	0	1	1	0	0	0	2	13
WILLIAMSTOWN	27	7	5	2	3	6	1	3	1	1	0	12	68
WILMINGTON	48	27	7	0	4	0	4	2	0	1	5	9	107
WINCHENDON	25	22	5	2	0	3	6	1	1	1	2	12	80
WINCHESTER	68	46	15	2	4	8	9	2	3	2	0	30	189
WINDSOR	0	1	0	0	0	0	0	0	0	1	1	0	3
WINTHROP	89	43	8	3	4	8	11	4	4	1	1	29	205
WOBURN	108	67	11	5	4	19	7	4	4	8	1	51	289
WORCESTER	747	451	119	17	39	87	45	26	23	34	12	319	1919
WORTHINGTON	1	3	1	0	1	1	0	0	0	0	0	3	10
WRENTHAM	22	16	11	2	3	7	1	1	0	0	0	12	75
YARMOUTH	107	66	23	4	6	10	8	5	5	6	6	32	278
STATE TOTAL	21386	13045	3849	762	1118	1958	1801	910	840	656	535	8329	55189

TABLE C-14B
SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE
1984

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
BARNSTABLE	710	509	157	27	52	62	64	41	28	45	23	299	2017
BERKSHIRE	613	342	108	26	31	52	58	32	22	25	19	223	1551
BRISTOL	1878	1123	459	65	70	113	126	88	58	60	49	595	4684
DUKES	33	38	13	1	2	2	4	3	0	0	0	19	115
ESSEX	2628	1591	417	74	119	226	234	114	111	109	69	875	6567
FRANKLIN	213	117	54	12	11	31	17	8	7	9	6	101	586
HAMPDEN	1800	971	347	57	89	162	169	65	57	44	34	644	4439
HAMPSHIRE	398	222	87	18	21	46	42	22	22	6	17	151	1052
MIDDLESEX	4502	2880	777	157	264	435	446	232	187	171	104	1814	11969
NANTUCKET	19	14	7	0	0	2	1	5	4	1	2	4	59
NORFOLK	2189	1377	410	84	119	200	153	79	97	41	41	802	5592
PLYMOUTH	1397	847	255	73	69	103	105	38	46	19	45	512	3509
SUFFOLK	2549	1529	351	56	133	275	206	99	126	40	75	1312	6751
WORCESTER	2457	1485	407	112	138	249	176	84	75	86	51	978	6298
STATE TOTAL	21386	13045	3849	762	1118	1958	1801	910	840	656	535	8329	55189

TABLE C-14C
SELECTED CAUSES OF DEATH BY HEALTH SERVICE AREA OF RESIDENCE
1984

HSA	SUBAREA	- CAUSES*-												
		TOTAL	1	2	3	4	5	6	7	8	9	10	11	12
	STATE TOTAL	55,189	21,386	13,045	3,849	762	1,118	1,958	1,801	910	840	656	535	8,329
I	BERKSHIRE	1,554	615	343	108	26	31	52	58	32	22	25	19	223
	NORTHERN VALLEY	1,429	516	295	128	24	29	72	55	27	23	12	21	227
	SOUTHERN VALLEY	4,803	1,953	1,050	365	64	97	180	177	71	64	49	39	694
	TOTAL	7,786	3,084	1,688	601	114	157	304	290	130	109	86	79	1,144
II	NORTH	1,828	678	437	145	50	37	60	64	24	22	17	24	270
	CENTRAL	2,583	992	620	160	30	54	104	65	33	33	46	17	429
	SOUTH	2,065	843	473	116	42	47	87	52	34	20	24	17	310
	TOTAL	6,476	2,513	1,530	421	122	138	251	181	91	75	87	58	1,009
III	GREATER LOWELL	1,891	703	418	102	38	40	40	87	54	40	77	22	270
	GREATER LAWRENCE	1,544	636	358	89	22	22	61	55	34	37	29	8	193
	GTR HAVER-NEWBPT	1,178	463	277	72	15	22	45	42	20	13	42	12	155
	TOTAL	4,613	1,802	1,053	263	75	84	146	184	108	90	148	42	618
IV	METRO CENTRAL	7,337	2,778	1,679	389	62	151	294	222	106	129	44	80	1,403
	METRO NORTHWEST	4,052	1,492	991	262	51	103	156	137	81	70	40	39	630
	METRO WEST	3,851	1,470	931	270	46	84	165	105	56	46	43	25	610
	METRO SOUTHWEST	1,329	511	353	100	24	23	44	26	24	20	13	7	184
	METRO SOUTH	3,067	1,195	728	233	50	70	105	99	40	63	13	28	443
	TOTAL	19,636	7,446	4,682	1,254	233	431	764	589	307	328	153	179	3,270
V	ATTLEBORO AREA	239	151	80	17	8	24	23	6	10	5	6	91	660
	BROCKTON AREA	757	439	128	31	36	65	60	16	33	9	19	251	1,844
	PLYMOUTH AREA	439	257	72	28	18	23	29	17	15	6	16	164	1,084
	TAUNTON-MDLBORO	367	214	89	17	15	21	42	10	10	13	16	126	940
	FALL RIVER AREA	682	373	158	19	23	18	34	25	12	18	12	166	1,540
	NEW BEDFORD AREA	687	444	157	13	30	61	35	48	26	28	19	248	1,796
	CAPE COD	846	611	193	34	56	70	75	51	33	46	26	354	2,395
	TOTAL	4,017	2,489	877	159	186	282	298	173	139	125	114	1,400	10,259
VI	CAPE ANN	1,015	365	248	75	11	31	36	41	21	13	12	13	149
	DANVERS-SALEM	1,317	544	343	84	14	13	43	48	17	22	12	12	165
	GREATER LYNN	1,513	620	365	97	12	31	41	48	22	26	14	24	213
	EASTRN MIDDLESEX	995	386	246	82	8	15	36	41	15	19	9	8	130
	TRI-CITIES	1,579	609	401	95	14	32	55	81	26	19	10	6	231
	TOTAL	6,419	2,524	1,603	433	59	122	211	259	101	99	57	63	888

*SELECTED CAUSES ARE NUMBERED AS FOLLOWS:

1=HEART DISEASE (390-398, 402, 404-429)
2=MALIGNANT NEOPLASMS (140-209)
3=CEREBROVASCULAR DISEASE (430-438)
4=MOTOR VEHICLE ACCIDENTS (E810-E825)
5=OTHER ACCIDENTS (E800-E807, E826-E949)
6=INFLUENZA & PNEUMONIA (480-487)
7=CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)
8=DIABETES MELLITIS (250)
9=CHRONIC LIVER DISEASE & CIRRHOSIS (571)
10=ATHEROSCLEROSIS (440)
11=SUICIDE (E950-E959)
12=ALL OTHER CAUSES

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE
1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*001 139	I. INFECTIVE AND PARASITIC DISEASES	736	330	406	690	309	381	46	21	25
001-009	INTESTINAL INFECTIOUS DISEASES	10	3	7	9	2	7	1	1	0
004	OTHER SALMONELLA INFECTIONS	5	3	2	4	2	2	1	1	0
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	2	0	2	2	0	2	0	0	0
009	ILL-DEFINED INTESTINAL INFECTIONS	3	0	3	3	0	3	0	0	0
010-018	TUBERCULOSIS	18	13	5	15	11	4	3	2	1
011	PULMONARY	11	10	1	10	9	1	1	1	0
013	MENINGES AND CENTRAL NERVOUS SYSTEM	1	0	1	0	0	0	1	0	1
014	INTESTINES, PERITONEUM AND MESENTERIC GLANDS	1	1	0	0	0	0	1	1	0
015	BONES AND JOINTS	1	0	1	1	0	1	0	0	0
017	OTHER ORGANS	2	0	2	2	0	2	0	0	0
018	MILIARY	2	2	0	2	2	0	0	0	0
020-027	ZOONOTIC BACTERIAL DISEASES	5	2	3	5	2	3	0	0	0
027	OTHER ZOONOTIC BACTERIAL DISEASES	5	2	3	5	2	3	0	0	0
030-041	OTHER BACTERIAL DISEASES	563	246	317	531	234	297	32	12	20
031	DISEASES DUE TO OTHER MYCOBACTERIA	2	2	0	1	1	0	1	1	0
036	MENINGOCOCCAL INFECTION	7	4	3	7	4	3	0	0	0
038	SEPTICAEMIA	544	233	311	514	222	292	30	11	19
040	OTHER BACTERIAL DISEASES	4	4	0	4	4	0	0	0	0
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	6	3	3	5	3	2	1	0	1
045-049	POLIOMYELITIS AND OTHER ENTEROVIRUS DIS. OF CENTRAL NERVOUS SYSTEM	19	6	13	18	5	13	1	1	0
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	12	3	9	12	3	9	0	0	0
047	MENINGITIS DUE TO ENTEROVIRUS	2	1	1	2	1	1	0	0	0
048	OTHER ENTEROVIRUS DISEASES OF CENTRAL NERVOUS SYSTEM	1	1	0	0	0	0	1	1	0
049	OTHER VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	4	1	3	4	1	3	0	0	0
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	15	4	11	15	4	11	0	0	0
052	CHICKENPOX	2	1	1	2	1	1	0	0	0
053	HERPES ZOSTER	3	0	3	3	0	3	0	0	0
054	HERPES SIMPLEX	10	3	7	10	3	7	0	0	0
060-066	ARTHOPOD-BORNE VIRAL DISEASES	1	0	1	1	0	1	0	0	0
062	MOSQUITO BORNE VIRAL ENCEPHALITIS	1	0	1	1	0	1	0	0	0
070-079	OTHER VIRAL DISEASES	33	17	16	33	17	16	0	0	0
070	VIRAL HEPATITIS	21	13	8	21	13	8	0	0	0
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	4	2	2	4	2	2	0	0	0
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	8	2	6	8	2	6	0	0	0
080-088	RICKETTSIOSES AND OTHER ARTHROPOD-BORNE DISEASES	1	1	0	1	1	0	0	0	0
084	MALARIA	1	1	0	1	1	0	0	0	0
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	3	1	2	2	1	1	1	0	1
093	CARDIOVASCULAR SYPHILIS	1	0	1	0	0	0	1	0	1
094	NEUROSYPHILIS	1	1	0	1	1	0	0	0	0
097	OTHER AND UNSPECIFIED SYPHILIS	1	0	1	1	0	1	0	0	0
110-118	MYCOSES	22	8	14	21	8	13	1	0	1
112	CANDIDIASIS	9	1	8	8	1	7	1	0	1
117	OTHER MYCOSES	13	7	6	13	7	6	0	0	0
130-136	OTHER INFECTIVE AND PARASITIC DISEASES	38	25	13	31	20	11	7	5	2
130	TOXOPLASMOSIS	1	1	0	1	1	0	0	0	0

TABLE C-15

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	I. INFECTIVE AND PARASITIC DISEASES (CONTINUED)									
135	SARCOIDOSIS	8	3	5	4	1	3	4	2	2
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	29	21	8	26	18	8	3	3	0
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	8	4	4	8	4	4	0	0	0
137	TUBERCULOSIS	7	3	4	7	3	4	0	0	0
138	ACUTE POLIOMYELITIS	1	1	0	1	1	0	0	0	0
*140 239	II. NEOPLASMS	13264	6563	6701	12834	6327	6507	423	232	191
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	220	146	74	209	139	70	11	7	4
140	LIP	6	4	2	6	4	2	0	0	0
141	TONGUE	56	36	20	51	33	18	5	3	2
142	MAJOR SALIVARY GLANDS	17	9	8	16	9	7	1	0	1
144	FLOOR OF MOUTH	12	8	4	12	8	4	0	0	0
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	34	23	11	32	21	11	2	2	0
146	OROPHARYNX	27	18	9	25	17	8	2	1	1
147	NASOPHARYNX	13	10	3	12	9	3	1	1	0
148	HYPOPHARYNX	14	11	3	14	11	3	0	0	0
149	OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	41	27	14	41	27	14	0	0	0
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3537	1768	1769	3423	1709	1714	112	58	54
150	OESOPHAGUS	281	185	96	261	173	88	20	12	8
151	STOMACH	494	277	217	478	269	209	16	8	8
152	SMALL INTESTINE, INCLUDING DUODENUM	14	8	6	13	7	6	1	1	0
153	COLON	1414	637	777	1382	625	757	31	12	19
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	302	145	157	295	140	155	6	4	2
155	LIVER AND INTRAHEPATIC BILE DUCTS	168	112	56	154	101	53	14	11	3
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	122	49	73	118	49	69	4	0	4
157	PANCREAS	617	290	327	599	281	318	18	9	9
158	RETROPERITONEUM AND PERITONEUM	9	5	4	9	5	4	0	0	0
159	OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	116	60	56	114	59	55	2	1	1
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	3188	2093	1095	3074	2004	1070	114	89	25
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	12	7	5	11	6	5	1	1	0
161	LARYNX	120	88	32	115	83	32	5	5	0
162	TRACHEA, BRONCHUS AND LUNG	3030	1976	1054	2923	1893	1030	107	83	24
163	PLEURA	14	13	1	14	13	1	0	0	0
164	THYMUS, HEART AND MEDIASTINUM	12	9	3	11	9	2	1	0	1
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	1688	191	1497	1655	188	1467	32	2	30
170	BONE AND ARTICULAR CARTILAGE	33	19	14	31	18	13	1	0	1
171	CONNECTIVE AND OTHER SOFT TISSUE	66	36	30	65	35	30	1	1	0
172	MALIGNANT MELANOMA OF SKIN	157	100	57	156	100	56	1	0	1
173	OTHER MALIGNANT NEOPLASM OF SKIN	47	31	16	45	30	15	2	1	1
174	FEMALE BREAST	1380	0	1380	1353	0	1353	27	0	27

TABLE C-15 (CONTINUED)

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	II. NEOPLASMS (CONTINUED)									
175	MALE BREAST	5	5	0	5	5	0	0	0	0
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	1914	1028	886	1850	993	857	63	35	28
179	UTERUS, PART UNSPECIFIED	93	0	93	88	0	88	5	0	5
180	CERVIX UTERI	102	0	102	96	0	96	6	0	6
182	BODY OF UTERUS	88	0	88	86	0	86	2	0	2
183	OVARY AND OTHER UTERINE ADNEXA	342	0	342	335	0	335	7	0	7
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	27	0	27	24	0	24	2	0	2
185	PROSTATE	682	682	0	655	655	0	27	27	0
186	TESTIS	12	12	0	11	11	0	1	1	0
187	PENIS AND OTHER MALE GENITAL ORGANS	8	8	0	8	8	0	0	0	0
188	BLADDER	316	192	124	309	189	120	7	3	4
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	244	134	110	238	130	108	6	4	2
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	1369	679	690	1320	654	666	48	25	23
190	EYE	4	1	3	4	1	3	0	0	0
191	BRAIN	227	131	96	224	129	95	3	2	1
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	8	4	4	8	4	4	0	0	0
193	THYROID GLAND	27	13	14	26	13	13	1	0	1
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	8	5	3	7	5	2	1	0	1
195	OTHER AND ILL-DEFINED SITES	104	51	53	100	47	53	4	4	0
199	WITHOUT SPECIFICATION OF SITE	991	474	517	951	455	496	39	19	20
200-208	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	1129	561	568	1092	545	547	35	14	21
200	LYMPHOSARCOMA AND RETICULOSARCOMA	144	72	72	140	72	68	4	0	4
201	HODGKIN'S DISEASE	54	32	22	53	32	21	1	0	1
202	OTHER MALIGNANT NEOPLASM OF LYMPOID AND HISTIOCYTIC TISSUE	310	156	154	301	150	151	8	5	3
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	208	91	117	197	87	110	11	4	7
204	LYMPHOID LEUKAEMIA	99	50	49	97	49	48	2	1	1
205	MYELOID LEUKAEMIA	171	89	82	165	87	78	6	2	4
206	MONOCYTIC LEUKAEMIA	10	6	4	10	6	4	0	0	0
207	OTHER SPECIFIED LEUKAEMIA	4	2	2	4	2	2	0	0	0
208	LEUKAEMIA OF UNSPECIFIED CELL TYPE	129	63	66	125	60	65	3	2	1
210-229	BENIGN NEOPLASMS	30	12	18	29	11	18	1	1	0
211	OTHER PARTS OF DIGESTIVE SYSTEM	2	0	2	2	0	2	0	0	0
213	BONE AND ARTICULAR CARTILAGE	1	0	1	1	0	1	0	0	0
216	SKIN	1	1	0	1	1	0	0	0	0
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	21	8	13	20	7	13	1	1	0
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	1	1	0	1	1	0	0	0	0
228	HAEMANGIOMA AND LYMPHANGIOMA, ANY SITE	3	2	1	3	2	1	0	0	0
229	OTHER AND UNSPECIFIED SITES	1	0	1	1	0	1	0	0	0
230-234	CARCINOMA IN SITU	1	0	1	1	0	1	0	0	0
234	OTHER AND UNSPECIFIED SITES	1	0	1	1	0	1	0	0	0
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOUR	32	16	16	32	16	16	0	0	0
235	DIGESTIVE AND RESPIRATORY SYSTEMS	5	2	3	5	2	3	0	0	0
237	ENDOCRINE GLANDS AND NERVOUS SYSTEM	3	1	2	3	1	2	0	0	0

TABLE C-15

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	II. NEOPLASMS (CONTINUED)									
238	OTHER AND UNSPECIFIED SITES AND TISSUES	24	13	11	24	13	11	0	0	0
239-239	NEOPLASM OF UNSPECIFIED NATURE	156	69	87	149	68	81	7	1	6
239	NEOPLASM OF UNSPECIFIED NATURE	156	69	87	149	68	81	7	1	6
*240 279	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	1272	551	721	1203	509	694	68	41	27
240-246	DISORDERS OF THYROID GLAND	25	4	21	25	4	21	0	0	0
240	SIMPLE AND UNSPECIFIED GOITRE	2	0	2	2	0	2	0	0	0
242	THYROTOXICOSIS WITH OR WITHOUT GOITRE	3	0	3	3	0	3	0	0	0
244	ACQUIRED HYPOTHYROIDISM	19	4	15	19	4	15	0	0	0
245	THYROIDITIS	1	0	1	1	0	1	0	0	0
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	929	396	533	880	365	515	49	31	18
250	DIABETES MELLITUS	910	389	521	865	361	504	45	28	17
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	7	4	3	4	1	3	3	3	0
252	DISORDERS OF PARATHYROID GLAND	3	0	3	3	0	3	0	0	0
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	5	2	3	5	2	3	0	0	0
254	DISEASES OF THYMUS GLAND	1	0	1	1	0	1	0	0	0
255	DISORDERS OF ADRENAL GLANDS	3	1	2	2	1	1	1	0	1
260-269	NUTRITIONAL DEFICIENCIES	59	22	37	55	19	36	4	3	1
261	NUTRITIONAL MARASMUS	8	5	3	7	4	3	1	1	0
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	46	14	32	44	13	31	2	1	1
266	DEFICIENCY OF B-COMPLEX COMPONENTS	1	1	0	1	1	0	0	0	0
269	OTHER NUTRITIONAL DEFICIENCIES	4	2	2	3	1	2	1	1	0
270-279	OTHER METABOLIC AND IMMUNITY DISORDERS	259	129	130	243	121	122	15	7	8
270	DISORDERS OF AMINO-ACID TRANSPORT AND METABOLISM	2	2	0	2	2	0	0	0	0
271	DISORDERS OF CARBOHYDRATE TRANSPORT AND METABOLISM	1	1	0	1	1	0	0	0	0
272	DISORDERS OF LIPOID METABOLISM	4	4	0	4	4	0	0	0	0
273	DISORDERS OF PLASMA PROTEIN METABOLISM	9	5	4	9	5	4	0	0	0
274	GOUT	2	1	1	2	1	1	0	0	0
275	DISORDERS OF MINERAL METABOLISM	7	3	4	5	2	3	2	1	1
276	DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	116	44	72	114	44	70	2	0	2
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	61	27	34	55	26	29	6	1	5
278	OBESITY AND OTHER HYPERALIMENTATION	20	11	9	20	11	9	0	0	0
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	37	31	6	31	25	6	5	5	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
*280 289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	180	86	94	172	83	89	7	3	4
280	IRON DEFICIENCY ANAEMIAS	1	0	1	1	0	1	0	0	0
281	OTHER DEFICIENCY ANAEMIAS	7	2	5	7	2	5	0	0	0
282	HEREDITARY HAEMOLYTIC ANAEMIAS	11	4	7	9	4	5	2	0	2
283	ACQUIRED HAEMOLYTIC ANAEMIAS	6	1	5	6	1	5	0	0	0
284	APLASTIC ANAEMIA	26	11	15	25	10	15	1	1	0
285	OTHER AND UNSPECIFIED ANAEMIAS	27	16	11	27	16	11	0	0	0
286	COAGULATION DEFECTS	32	18	14	30	16	14	2	2	0
287	PURPURA AND OTHER HAEMORRHAGIC CONDITIONS	23	11	12	22	11	11	0	0	0
288	DISEASES OF WHITE BLOOD CELLS	17	12	5	17	12	5	0	0	0
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	30	11	19	28	11	17	2	0	2
*290 319	V. MENTAL DISORDERS	400	174	226	383	164	219	17	10	7
290-294	ORGANIC PSYCHOTIC CONDITIONS	132	42	90	131	42	89	1	0	1
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	124	34	90	123	34	89	1	0	1
291	ALCOHOLIC PSYCHOSES	7	7	0	7	7	0	0	0	0
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	1	1	0	1	1	0	0	0	0
295-299	OTHER PSYCHOSES	60	22	38	59	22	37	1	0	1
295	SCHIZOPHRENIC PSYCHOSES	6	4	2	6	4	2	0	0	0
296	AFFECTIVE PSYCHOSES	2	2	0	2	2	0	0	0	0
298	OTHER NONORGANIC PSYCHOSES	52	16	36	51	16	35	1	0	1
300-316	NEUROSES, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC DISORDERS	203	109	94	188	99	89	15	10	5
300	NEUROTIC DISORDERS	1	0	1	1	0	1	0	0	0
303	ALCOHOL DEPENDENCE SYNDROME	82	65	17	71	58	13	11	7	4
304	DRUG DEPENDENCE	3	2	1	3	2	1	0	0	0
305	NONDEPENDENT ABUSE OF DRUGS	15	14	1	12	11	1	3	3	0
306	PHYSIOLOGICAL MALFUNCTION ARISING FROM MENTAL FACTORS	2	0	2	2	0	2	0	0	0
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	6	3	3	6	3	3	0	0	0
308	ACUTE REACTION TO STRESS	1	0	1	1	0	1	0	0	0
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	79	22	57	78	22	56	1	0	1
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	14	3	11	14	3	11	0	0	0
317-319	MENTAL RETARDATION	5	1	4	5	1	4	0	0	0
318	OTHER SPECIFIED MENTAL RETARDATION	1	0	1	1	0	1	0	0	0
319	UNSPECIFIED MENTAL RETARDATION	4	1	3	4	1	3	0	0	0

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*320 389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	933	487	446	898	473	425	34	13	21
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	38	20	18	34	18	16	4	2	2
320	BACTERIAL MENINGITIS	7	2	5	6	2	4	1	0	1
322	MENINGITIS OF UNSPECIFIED CAUSE	9	5	4	8	5	3	1	0	1
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	15	8	7	15	8	7	0	0	0
324	INTRACRANIAL AND INTRASPINAL ABSCESS	6	4	2	5	3	2	1	1	0
326	LATE EFFECTS OF INTRACRANIAL ABSCESS OR PYOGENIC INFECTION	1	1	0	0	0	0	1	1	0
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF NERVOUS SYSTEM	610	315	295	600	309	291	9	5	4
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	2	1	1	2	1	1	0	0	0
331	OTHER CEREBRAL DEGENERATIONS	302	143	159	298	139	159	4	4	0
332	PARKINSON'S DISEASE	165	98	67	161	97	64	3	0	3
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	23	7	16	22	6	16	1	1	0
334	SPINOCEREBELLAR DISEASE	8	3	5	8	3	5	0	0	0
335	ANTERIOR HORN CELL DISEASE	105	61	44	104	61	43	1	0	1
336	OTHER DISEASES OF SPINAL CORD	5	2	3	5	2	3	0	0	0
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	247	132	115	227	126	101	20	6	14
340	MULTIPLE SCLEROSIS	47	17	30	45	17	28	2	0	2
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	10	4	6	10	4	6	0	0	0
342	HEMIPLEGIA	9	5	4	9	5	4	0	0	0
343	INFANTILE CEREBRAL PALSY	4	3	1	4	3	1	0	0	0
344	OTHER PARALYTIC SYNDROMES	15	12	3	15	12	3	0	0	0
345	EPILEPSY	45	24	21	37	21	16	8	3	5
348	OTHER CONDITIONS OF BRAIN	107	61	46	97	58	39	10	3	7
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	10	6	4	10	6	4	0	0	0
350-359	DISORDERS OF PERIPHERAL NERVOUS SYSTEM	35	19	16	34	19	15	1	0	1
355	MONONEURITIS OF LOWER LIMB	2	2	0	2	2	0	0	0	0
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	4	3	1	4	3	1	0	0	0
357	INFLAMMATORY AND TOXIC NEUROPATHY	2	2	0	2	2	0	0	0	0
358	MYONEURAL DISORDERS	8	1	7	8	1	7	0	0	0
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	19	11	8	18	11	7	1	0	1
360-379	DISORDERS OF EYE AND ADNEXA	1	1	0	1	1	0	0	0	0
369	BLINDNESS AND LOW VISION	1	1	0	1	1	0	0	0	0
380-389	DISEASES OF THE EAR AND MASTOID PROCESS	2	0	2	2	0	2	0	0	0
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	1	0	1	1	0	1	0	0	0
389	DEAFNESS	1	0	1	1	0	1	0	0	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*390 459	VII. DISEASES OF THE CIRCULATORY SYSTEM	26871	12621	14250	26182	12265	13917	666	341	325
390-392	ACUTE RHEUMATIC FEVER	2	1	1	2	1	1	0	0	0
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	2	1	1	2	1	1	0	0	0
393-398	CHRONIC RHEUMATIC HEART DISEASE	215	63	152	206	59	147	7	3	4
394	DISEASES OF MITRAL VALVE	80	23	57	80	23	57	0	0	0
395	DISEASES OF AORTIC VALVE	4	2	2	4	2	2	0	0	0
396	DISEASES OF MITRAL AND AORTIC VALVES	33	12	21	32	12	20	1	0	1
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	18	3	15	16	2	14	2	1	1
398	OTHER RHEUMATIC HEART DISEASE	80	23	57	74	20	54	4	2	2
401-405	HYPERTENSIVE DISEASE	698	250	448	656	232	424	42	18	24
401	ESSENTIAL HYPERTENSION	85	23	62	81	23	58	4	0	4
402	HYPERTENSIVE HEART DISEASE	474	168	306	441	151	290	33	17	16
403	HYPERTENSIVE RENAL DISEASE	91	46	45	88	45	43	3	1	2
404	HYPERTENSIVE HEART AND RENAL DISEASE	48	13	35	46	13	33	2	0	2
410-414	ISCHEMIC HEART DISEASE	16339	8338	8001	16010	8162	7848	315	165	150
410	ACUTE MYOCARDIAL INFARCTION	8113	4478	3635	7967	4390	3577	137	81	56
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHAEMIC HEART DISEASE	26	12	14	25	12	13	1	0	1
412	OLD MYOCARDIAL INFARCTION	25	13	12	24	13	11	1	0	1
413	ANGINA PECTORIS	21	7	14	21	7	14	0	0	0
414	OTHER FORMS OF CHRONIC ISCHAEMIC HEART DISEASE	8154	3828	4326	7973	3740	4233	176	84	92
415-417	DISEASES OF PULMONARY CIRCULATION	291	118	173	280	112	168	11	6	5
415	ACUTE PULMONARY HEART DISEASE	256	101	155	249	96	153	7	5	2
416	CHRONIC PULMONARY HEART DISEASE	32	14	18	28	13	15	4	1	3
417	OTHER DISEASES OF PULMONARY CIRCULATION	3	3	0	3	3	0	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	4017	1856	2161	3864	1773	2091	149	80	69
420	ACUTE PERICARDITIS	3	3	0	2	2	0	1	1	0
421	ACUTE AND SUBACUTE ENDOCARDITIS	26	14	12	24	13	11	2	1	1
422	ACUTE MYOCARDITIS	6	3	3	5	2	3	1	1	0
423	OTHER DISEASES OF PERICARDIUM	20	9	11	19	9	10	1	0	1
424	OTHER DISEASES OF ENDOCARDIUM	262	103	159	257	99	158	4	4	0
425	CARDIOMYOPATHY	327	216	111	306	200	106	20	15	5
426	CONDUCTION DISORDERS	19	12	7	17	10	7	2	2	0
427	CARDIAC DYSRHYTHMIAS	1374	640	734	1328	616	712	45	23	22
428	HEART FAILURE	979	408	571	959	401	558	20	7	13
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	1001	448	553	947	421	526	53	26	27
430-438	CEREBROVASCULAR DISEASE	3849	1369	2480	3733	1318	2415	113	51	62
430	SUBARACHNOID HAEMORRHAGE	121	41	80	115	38	77	6	3	3
431	INTRACEREBRAL HAEMORRHAGE	553	232	321	532	218	314	21	14	7
432	OTHER AND UNSPECIFIED INTRACRANIAL HAEMORRHAGE	59	22	37	48	18	30	11	4	7
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	45	21	24	43	19	24	2	2	0
434	OCCLUSION OF CEREBRAL ARTERIES	744	252	492	731	246	485	13	6	7
435	TRANSCIENT CEREBRAL ISCHAEMIA	30	7	23	30	7	23	0	0	0
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1753	608	1145	1705	590	1115	45	18	27
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	356	113	243	348	111	237	8	2	6
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	188	73	115	181	71	110	7	2	5
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1310	549	761	1287	537	750	23	12	11
440	ATHEROSCLEROSIS	656	194	462	651	192	459	5	2	3
441	AORTIC ANEURYSM	445	265	180	436	260	176	9	5	4

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VII. DISEASES OF THE CIRCULATORY SYSTEM (CONTINUED)									
442	OTHER ANEURYSM	15	10	5	14	9	5	1	1	0
443	OTHER PERIPHERAL VASCULAR DISEASE	89	32	57	88	32	56	1	0	1
444	ARTERIAL EMBOLISM AND THROMBOSIS	46	18	28	44	17	27	2	1	1
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	17	7	10	15	6	9	2	1	1
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	42	23	19	39	21	18	3	2	1
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DIS. OF CIRCULATORY SYS.	150	77	73	144	71	73	6	6	0
451	PHLEBITIS AND THROMBOPHLEBITIS	46	17	29	46	17	29	0	0	0
452	PORTAL VEIN THROMBOSIS	1	1	0	1	1	0	0	0	0
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	11	7	4	10	6	4	1	1	0
454	VARICOSE VEINS OF LOWER EXTREMITIES	9	6	3	8	5	3	1	1	0
456	VARICOSE VEINS OF OTHER SITES	22	16	6	22	16	6	0	0	0
457	NONINFECTIVE DISORDERS OF LYMPHATIC CHANNELS	1	0	1	1	0	1	0	0	0
458	HYPOTENSION	38	23	15	34	19	15	4	4	0
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	22	7	15	22	7	15	0	0	0
*460 519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	4407	2367	2040	4281	2285	1996	125	81	44
460-466	ACUTE RESPIRATORY INFECTIONS	27	13	14	25	11	14	2	2	0
462	ACUTE PHARYNGITIS	1	1	0	1	1	0	0	0	0
464	ACUTE LARYNGITIS AND TRACHEITIS	4	3	1	4	3	1	0	0	0
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	7	4	3	6	3	3	1	1	0
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	15	5	10	14	4	10	1	1	0
470-478	OTHER DISEASES UPPER RESPIRATORY TRACT	16	9	7	12	7	5	4	2	2
473	CHRONIC SINUSITIS	2	0	2	0	0	0	2	0	2
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	14	9	5	12	7	5	2	2	0
480-487	PNEUMONIA AND INFLUENZA	1958	900	1058	1908	868	1040	49	31	18
480	VIRAL PNEUMONIA	14	6	8	14	6	8	0	0	0
481	PNEUMOCOCCAL PNEUMONIA	69	31	38	67	29	38	1	1	0
482	OTHER BACTERIAL PNEUMONIA	82	45	37	78	44	34	4	1	3
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	2	1	1	2	1	1	0	0	0
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	258	113	145	248	107	141	10	6	4
486	PNEUMONIA, ORGANISM UNSPECIFIED	1517	698	819	1483	675	808	34	23	11
487	INFLUENZA	16	6	10	16	6	10	0	0	0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1801	1105	696	1762	1075	687	39	30	9
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	18	6	12	17	6	11	1	0	1
491	CHRONIC BRONCHITIS	59	36	23	57	34	23	2	2	0
492	EMPHYSEMA	303	190	113	296	183	113	7	7	0
493	ASTHMA	107	47	60	103	45	58	4	2	2
494	BRONCHIECTASIS	12	6	6	12	6	6	0	0	0
495	EXTRINSIC ALLERGIC ALVEOLITIS	1	1	0	1	1	0	0	0	0
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	1301	819	482	1276	800	476	25	19	6
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	210	107	103	197	100	97	13	7	6
501	ASBESTOSIS	4	4	0	3	3	0	1	1	0
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	1	0	1	1	0	0	0	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
	VIII. DISEASES OF THE RESPIRATORY SYSTEM (CONTINUED)									
503	PNEUMOCONIOSIS DUE TO OTHER INORGANIC DUST	3	1	2	3	1	2	0	0	0
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	202	101	101	190	95	95	12	6	6
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	395	233	162	377	224	153	18	9	9
510	EMPYEMA	15	11	4	14	10	4	1	1	0
511	PLEURISY	20	10	10	20	10	10	0	0	0
512	PNEUMOTHORAX	8	4	4	6	4	2	2	0	2
513	ABSCESS OF LUNG AND MEDIASTINUM	7	5	2	7	5	2	0	0	0
514	PULMONARY CONGESTION AND HYPOSTASIS	55	32	23	51	30	21	4	2	2
515	POSTINFLAMMATORY PULMONARY FIBROSIS	77	39	38	76	39	37	1	0	1
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	12	7	5	11	6	5	1	1	0
518	OTHER DISEASES OF LUNG	172	106	66	163	101	62	9	5	4
519	OTHER DISEASES OF RESPIRATORY SYSTEM	29	19	10	29	19	10	0	0	0
*520 579	IX. DISEASES OF THE DIGESTIVE SYSTEM	2233	1169	1064	2135	1107	1028	94	60	34
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	1	0	1	0	0	0	1	0	1
527	DISEASES OF THE SALIVARY GLANDS	1	0	1	0	0	0	1	0	1
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	228	114	114	219	109	110	8	5	3
530	DISEASES OF OESOPHAGUS	41	19	22	41	19	22	0	0	0
531	GASTRIC ULCER	55	26	29	53	24	29	2	2	0
532	DUODENAL ULCER	52	27	25	50	26	24	1	1	0
533	PEPTIC ULCER, SITE UNSPECIFIED	36	21	15	34	20	14	2	1	1
534	GASTROJEJUNAL ULCER	1	0	1	1	0	1	0	0	0
535	GASTRITIS AND DUODENITIS	24	12	12	22	11	11	2	1	1
536	DISORDERS OF FUNCTION OF STOMACH	2	1	1	1	1	0	1	0	1
537	OTHER DISORDERS OF STOMACH AND DUODENUM	17	8	9	17	8	9	0	0	0
540-543	APPENDICITIS	17	9	8	17	9	8	0	0	0
540	ACUTE APPENDICITIS	15	9	6	15	9	6	0	0	0
541	APPENDICITIS, UNQUALIFIED	1	0	1	1	0	1	0	0	0
543	OTHER DISEASES OF APPENDIX	1	0	1	1	0	1	0	0	0
550-553	HERNIA OF ABDOMINAL CAVITY	32	13	19	32	13	19	0	0	0
550	INGUINAL HERNIA	5	5	0	5	5	0	0	0	0
551	OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	5	0	5	5	0	5	0	0	0
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	5	3	2	5	3	2	0	0	0
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	17	5	12	17	5	12	0	0	0
555-558	NONINFECTIVE ENTERITIS AND COLITIS	223	83	140	213	78	135	10	5	5
555	REGIONAL ENTERITIS	14	7	7	14	7	7	0	0	0
556	IDIOPATHIC PROCTOCOLITIS	11	4	7	10	4	6	1	0	1
557	VASCULAR INSUFFICIENCY OF INTESTINE	173	68	105	166	64	102	7	4	3
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	25	4	21	23	3	20	2	1	1
560-569	OTHER DISEASES OF INTESTINE AND PERITONEUM	309	108	201	304	107	197	5	1	4
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	101	33	68	99	32	67	2	1	1
562	DIVERTICULA OF INTESTINE	89	21	68	88	21	67	1	0	1

TABLE C-15

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	IX. DISEASES OF THE DIGESTIVE SYSTEM (CONTINUED)									
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	4	1	3	4	1	3	0	0	0
566	ABCESS OF ANAL AND RECTAL REGIONS	5	3	2	5	3	2	0	0	0
567	PERITONITIS	44	22	22	43	22	21	1	0	1
568	OTHER DISORDERS OF PERITONEUM	4	1	3	3	1	2	1	0	1
569	OTHER DISORDERS OF INTESTINE	62	27	35	62	27	35	0	0	0
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	1423	842	581	1350	791	559	70	49	21
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	12	6	6	10	5	5	2	1	1
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	840	535	305	798	506	292	40	27	13
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	120	69	51	114	63	51	6	6	0
573	OTHER DISORDERS OF LIVER	40	22	18	37	19	18	3	3	0
574	CHOLELITHIASIS	37	20	17	36	19	17	1	1	0
575	OTHER DISORDERS OF GALLBLADDER	64	31	33	63	30	33	1	1	0
576	OTHER DISORDERS OF BILIARY TRACT	36	16	20	33	15	18	2	1	1
577	DISEASES OF PANCREAS	62	36	26	56	32	24	6	4	2
578	GASTROINTESTINAL HAEMORRHAGE	210	105	105	201	100	101	9	5	4
579	INTESTINAL MALABSORPTION	2	2	0	2	2	0	0	0	0
*580 629	X. DISEASES OF THE GENITOURINARY SYSTEM	938	456	482	881	427	454	57	29	28
580-589	NEPHRITIS AND NEPHROSIS	600	314	286	556	291	265	44	23	21
580	ACUTE GLOMERULONEPHRITIS	1	1	0	1	1	0	0	0	0
581	NEPHROTIC SYNDROME	8	6	2	8	6	2	0	0	0
582	CHRONIC GLOMERULONEPHRITIS	20	10	10	19	9	10	1	1	0
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	14	8	6	12	8	4	2	0	2
584	ACUTE RENAL FAILURE	96	52	44	91	49	42	5	3	2
585	CHRONIC RENAL FAILURE	148	74	74	129	64	65	19	10	9
586	RENAL FAILURE, UNSPECIFIED	308	160	148	291	151	140	17	9	8
587	RENAL SCLEROSIS, UNSPECIFIED	3	2	1	3	2	1	0	0	0
588	DISORDERS RESULTING FROM IMPAIRED RENAL FUNCTION	2	1	1	2	1	1	0	0	0
590-599	OTHER DISEASES OF URINARY SYSTEM	315	125	190	303	119	184	12	6	6
590	INFECTIONS OF KIDNEY	34	11	23	34	11	23	0	0	0
591	HYDRONEPHROSIS	3	2	1	3	2	1	0	0	0
592	CALCULUS OF KIDNEY AND URETER	7	0	7	7	0	7	0	0	0
593	OTHER DISORDERS OF KIDNEY AND URETER	34	17	17	32	16	16	2	1	1
595	CYSTITIS	2	0	2	2	0	2	0	0	0
596	OTHER DISORDERS OF BLADDER	7	5	2	7	5	2	0	0	0
597	URETHRITIS, NOT SEXUALLY TRANSMITTED, AND URETHRAL SYNDROME	1	1	0	1	1	0	0	0	0
598	URETHRAL STRICTURE	1	1	0	1	1	0	0	0	0
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	226	88	138	216	83	133	10	5	5
600-608	DISEASES OF MALE GENITAL ORGANS	17	17	0	17	17	0	0	0	0
600	HYPERPLASIA OF PROSTATE	13	13	0	13	13	0	0	0	0
601	INFLAMMATORY DISEASES OF PROSTATE	1	1	0	1	1	0	0	0	0
602	OTHER DISORDERS OF PROSTATE	2	2	0	2	2	0	0	0	0
608	OTHER DISORDERS OF MALE GENITAL ORGANS	1	1	0	1	1	0	0	0	0
610-611	DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0
611	OTHER DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0

TABLE C-15 (CONTINUED)

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
	X. DISEASES OF THE GENITOURINARY SYSTEM (CONTINUED)									
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	1	0	1	0	0	0	1	0	1
614	INFLAMMATORY DISEASE OF OVARY,FALLOPIAN TUBE, PELVIC CELLULAR TISSUE AND PERITONIUM	1	0	1	0	0	0	1	0	1
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	4	0	4	4	0	4	0	0	0
619	FISTULAE INVOLVING FEMALE GENITAL TRACT	3	0	3	3	0	3	0	0	0
620	NONINFLAMMATORY DISORDERS OF OVARY, FALLOPIAN TUBE AND BROAD LIGAMENT	1	0	1	1	0	1	0	0	0
*630 676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM	1	0	1	0	0	0	1	0	1
630-639	PREGNANCY WITH ABORTIVE OUTCOME	1	0	1	0	0	0	1	0	1
637	UNSPECIFIED ABORTION	1	0	1	0	0	0	1	0	1
*680 709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	71	25	46	70	24	46	1	1	0
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	25	11	14	25	11	14	0	0	0
682	OTHER CELLULITIS AND ABSCESS	23	11	12	23	11	12	0	0	0
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	2	0	2	2	0	2	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	6	2	4	6	2	4	0	0	0
692	CONTACT DERMATITIS AND OTHER ECZEMA	1	1	0	1	1	0	0	0	0
695	ERYTHEMATOUS CONDITIONS	5	1	4	5	1	4	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	40	12	28	39	11	28	1	1	0
707	CHRONIC ULCER OF SKIN	40	12	28	39	11	28	1	1	0
*710 739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	149	46	103	142	43	99	7	3	4
710-719	ARTHROPATHIES AND RELATED DISORDERS	103	27	76	99	25	74	4	2	2
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	54	14	40	52	13	39	2	1	1
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	2	2	0	2	2	0	0	0	0
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	37	8	29	35	7	28	2	1	1
715	OSTEOARTHROSIS AND ALLIED DISORDERS	5	1	4	5	1	4	0	0	0
716	OTHER AND UNSPECIFIED ARTHROPATHIES	2	1	1	2	1	1	0	0	0
719	OTHER AND UNSPECIFIED DISORDER OF JOINT	3	1	2	3	1	2	0	0	0
720-724	DORSOPATHIES	3	1	2	2	1	1	1	0	1
721	SPONDYLOSIS AND ALLIED DISORDERS	2	1	1	2	1	1	0	0	0
722	INTERVERTEBRAL DISC DISORDERS	1	0	1	0	0	0	1	0	1
725-729	RHEUMATISM, EXCLUDING THE BACK	6	1	5	5	1	4	1	0	1
725	POLYMYALGIA RHEUMATICA	1	0	1	1	0	1	0	0	0
728	DISORDERS OF MUSCLE, LIGAMENT AND FASCIA	1	1	0	1	1	0	0	0	0
729	OTHER DISORDERS OF SOFT TISSUES	4	0	4	3	0	3	1	0	1
730-739	OSTEOPATHIES CHONDROPATHIES & ACQUIRED MUSCULOSKELATAL DEFORMITIES	37	17	20	36	16	20	1	1	0

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (CONTINUED)									
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	10	7	3	9	6	3	1	1	0
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	4	3	1	4	3	1	0	0	0
733	OTHER DISORDERS OF BONE AND CARTILAGE	12	5	7	12	5	7	0	0	0
736	OTHER ACQUIRED DEFORMITIES OF LIMBS	1	1	0	1	1	0	0	0	0
737	CURVATURE OF SPINE	10	1	9	10	1	9	0	0	0
*740 759	XIV. CONGENITAL ANOMALIES	295	154	141	273	142	131	20	10	10
740	ANENCEPHALUS AND SIMILAR ANOMALIES	19	7	12	13	6	12	1	1	0
741	SPINA BIFIDA	7	2	5	7	2	5	0	0	0
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	19	8	11	19	8	11	0	0	0
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	40	18	22	40	18	22	0	0	0
746	OTHER CONGENITAL ANOMALIES OF HEART	49	32	17	43	29	14	6	3	3
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	33	21	12	30	20	10	2	0	2
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	34	17	17	29	14	15	5	3	2
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	3	2	1	1	1	0	2	1	1
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	20	11	9	18	9	9	2	2	0
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	18	9	9	17	9	8	1	0	1
758	CHROMOSOMAL ANOMALIES	33	12	21	32	12	20	1	0	1
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	20	15	5	19	14	5	0	0	0
*760 779	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	338	187	151	283	160	123	54	26	28
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	5	2	3	4	1	3	1	1	0
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	33	16	17	26	13	13	7	3	4
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA CORD AND MEMBRANES	22	11	11	18	9	9	4	2	2
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	60	32	28	47	27	20	13	5	8
767	BIRTH TRAUMA	4	4	0	4	4	0	0	0	0
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	20	11	9	18	11	7	2	0	2
769	RESPIRATORY DISTRESS SYNDROME	48	35	13	44	32	12	3	2	1
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	79	41	38	69	36	33	10	5	5
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	9	3	6	7	2	5	2	1	1
772	FETAL AND NEONATAL HAEMORRHAGE	5	3	2	4	2	2	1	1	0
773	HAEMOLYTIC DISEASE OF FETUS OR NEWBORN,DUE TO ISOIMMUNIZATION	2	0	2	2	0	2	0	0	0
775	ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS AND NEWBORN	2	1	1	2	1	1	0	0	0
776	HAEMATOLOGICAL DISORDERS OF FETUS AND NEWBORN	2	1	1	1	1	0	1	0	1
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	5	5	0	2	2	0	3	3	0
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	2	0	2	2	0	2	0	0	0

TABLE C-15 (CONTINUED)

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (CONTINUED)									
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	40	22	18	33	19	14	7	3	4
*780 799	XVI. SYMPTOMS SIGNS, AND ILL-DEFINED CONDITIONS	393	217	176	354	190	164	37	26	11
780-789	SYMPTOMS	46	17	29	45	16	29	1	1	0
780	GENERAL SYMPTOMS	9	7	2	8	6	2	1	1	0
783	SYMPTOMS CONCERNING NUTRITION,METABOLISM AND DEVELOPMENT	1	1	0	1	1	0	0	0	0
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	31	7	24	31	7	24	0	0	0
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOM	3	1	2	3	1	2	0	0	0
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	2	1	1	2	1	1	0	0	0
790-796	NONSPECIFIC ABNORMAL FINDINGS	1	0	1	1	0	1	0	0	0
790	NONSPECIFIC FINDINGS ON EXAMINATION OF BLOOD	1	0	1	1	0	1	0	0	0
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	346	200	146	308	174	134	36	25	11
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	11	4	7	11	4	7	0	0	0
798	SUDDEN DEATH, CAUSE UNKNOWN	81	49	32	72	44	28	9	5	4
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	254	147	107	225	126	99	27	20	7
*800 999	XVII. EXTERNAL CAUSES OF INJURY AND POISONING	2708	1823	885	2528	1695	833	175	126	49
800-807	RAILWAY ACCIDENTS	11	10	1	10	9	1	1	1	0
804	FALL IN,ON OR FROM RAILWAY TRAIN	1	1	0	1	1	0	0	0	0
805	HIT BY ROLLING STOCK	10	9	1	9	8	1	1	1	0
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	755	536	219	724	518	206	28	17	11
812	OTHER ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	257	165	92	243	159	84	13	6	7
813	INVOLVING COLLISION WITH OTHER VEHICLE	11	8	3	11	8	3	0	0	0
814	INVOLVING COLLISION WITH PEDESTRIAN	145	98	47	135	90	45	9	7	2
815	OTHER ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	232	182	50	228	179	49	4	3	1
816	DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	57	47	10	56	46	10	1	1	0
818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	16	11	5	16	11	5	0	0	0
819	OF UNSPECIFIED NATURE	37	25	12	35	25	10	1	0	1
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	7	7	0	7	7	0	0	0	0
820	INVOLVING MOTOR-DRIVEN SNOW VEHICLE	2	2	0	2	2	0	0	0	0
822	OTHER ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	1	1	0	1	1	0	0	0	0
823	OTHER ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	1	1	0	1	1	0	0	0	0
825	OTHER ACCIDENT OF OTHER AND UNSPECIFIED NATURE	3	3	0	3	3	0	0	0	0
826-829	OTHER ROAD VEHICLE ACCIDENTS	4	2	2	4	2	2	0	0	0
826	PEDAL CYCLE ACCIDENT	3	2	1	3	2	1	0	0	0
828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	1	0	1	1	0	1	0	0	0
830-838	WATER TRANSPORT ACCIDENTS	24	23	1	22	21	1	2	2	0
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	9	8	1	7	6	1	2	2	0
831	ACCIDENT TO WATERCRAFT CAUSING OTHER INJURY	1	1	0	1	1	0	0	0	0

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	7	7	0	7	7	0	0	0	0
836	MACHINERY ACCIDENT IN WATER TRANSPORT	1	1	0	1	1	0	0	0	0
838	OTHER AND UNSPECIFIED WATER TRANSPORT ACCIDENT	6	6	0	6	6	0	0	0	0
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	15	13	2	15	13	2	0	0	0
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	3	2	1	3	2	1	0	0	0
841	ACCIDENT TO POWERED AIRCRAFT,OTHER AND UNSPECIFIED	12	11	1	12	11	1	0	0	0
846-848	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIED	1	1	0	1	1	0	0	0	0
847	ACCIDENTS INVOLVING CABLE CARS NOT RUNNING ON RAILS	1	1	0	1	1	0	0	0	0
850-858	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS	88	62	26	76	55	21	12	7	5
850	BY ANALGESICS,ANTIPYRETIC,ANTIRHEUMATICS	16	11	5	11	7	4	5	4	1
851	BY BARBITURATES	5	4	1	4	4	0	1	0	1
852	BY OTHER SEDATIVES AND HYPNOTICS	3	2	1	3	2	1	0	0	0
853	BY TRANQUILLIZERS	1	1	0	1	1	0	0	0	0
854	BY OTHER PSYCHOTROPIC AGENTS	4	3	1	4	3	1	0	0	0
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	12	9	3	11	9	2	1	0	1
856	BY ANTIBIOTICS	4	1	3	4	1	3	0	0	0
858	BY OTHER DRUGS	43	31	12	38	28	10	5	3	2
860-869	ACCIDENTAL POISONING BY OTHER SUBSTANCES GASES AND VAPOURS	32	24	8	31	24	7	1	0	1
860	BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	4	3	1	4	3	1	0	0	0
862	BY PETROLEUM PRODUCTS,OTHER SOLVENTS AND THEIR VAPOURS, NOT ELSEWHERE CLASSIFIED	2	2	0	2	2	0	0	0	0
865	FROM FOODSTUFFS AND POISONOUS PLANTS	1	1	0	1	1	0	0	0	0
866	BY OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES	1	1	0	1	1	0	0	0	0
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	17	13	4	16	13	3	1	0	1
869	BY OTHER GASES AND VAPOURS	7	4	3	7	4	3	0	0	0
870-876	MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	1	1	0	1	1	0	0	0	0
876	OTHER AND UNSPECIFIED MISADVENTURES DURING MEDICAL CARE	1	1	0	1	1	0	0	0	0
878-879	SURGICAL & MEDICAL PROCEDURES AS CAUSE OF LATER COMPLICATION	52	23	29	52	23	29	0	0	0
878	SURGICAL OPERATION/OTHER PROCEDURES AS CAUSE OF ABNORMAL REACTION/LATER COMPLICATION W/O MENTION AT TIME OF OPERATION	46	19	27	46	19	27	0	0	0
879	OTHER PROCEDURES W/O MENTION AT TIME,AS CAUSE OF ABNORMAL REACTION OR LATER COMPLICATION	6	4	2	6	4	2	0	0	0
880-888	ACCIDENTAL FALLS	412	188	224	398	177	221	14	11	3
880	FALL ON OR FROM STAIRS OR STEPS	62	33	29	58	29	29	4	4	0
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	8	8	0	8	8	0	0	0	0
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	24	21	3	20	17	3	4	4	0
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	2	2	0	2	2	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	26	14	12	24	12	12	2	2	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
885	FALL ON SAME LEVEL FROM SLIPPING,TRIPPING OR STUMBLING	15	9	6	15	9	6	0	0	0
887	FRACTURE, CAUSE UNSPECIFIED	109	40	69	106	39	67	3	1	2
888	OTHER AND UNSPECIFIED FALL	166	61	105	165	61	104	1	0	1
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	101	65	36	92	60	32	9	5	4
890	CONFLAGRATION IN PRIVATE DWELLING	83	55	28	74	50	24	9	5	4
891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING OR STRUCTURE	3	3	0	3	3	0	0	0	0
892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	2	2	0	2	2	0	0	0	0
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	6	1	5	6	1	5	0	0	0
894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL	1	1	0	1	1	0	0	0	0
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	1	1	0	1	1	0	0	0	0
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	5	2	3	5	2	3	0	0	0
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	23	15	8	20	12	8	3	3	0
900	EXCESSIVE HEAT	3	2	1	3	2	1	0	0	0
901	EXCESSIVE COLD	11	7	4	9	5	4	2	2	0
904	HUNGER, THIRST, EXPOSURE, NEGLECT	5	2	3	5	2	3	0	0	0
905	VENOMOUS ANIMALS AND PLANTS AS THE CAUSE OF POISONING AND TOXIC REACTIONS	2	2	0	1	1	0	1	1	0
908	CATACLYSMIC STORMS, AND FLOODS RESULTING FROM STORMS	2	2	0	2	2	0	0	0	0
910-915	ACCIDENTS CAUSED BY SUBMERSION SUFFOCATION & FOREIGN BODIES	220	144	76	209	135	74	11	9	2
910	ACCIDENTAL DROWNING AND SUBMERSION	68	59	9	60	52	8	8	7	1
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	47	25	22	47	25	22	0	0	0
912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	83	47	36	80	45	35	3	2	1
913	ACCIDENTAL MECHANICAL SUFFOCATION	19	12	7	19	12	7	0	0	0
915	FOREIGN BODY ACCIDENTALLY ENTERING OTHER ORIFICE	3	1	2	3	1	2	0	0	0
916-928	OTHER ACCIDENTS	116	87	29	107	81	26	9	6	3
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	13	13	0	12	12	0	1	1	0
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	2	2	0	2	2	0	0	0	0
919	ACCIDENTS CAUSED BY MACHINERY	6	5	1	6	5	1	0	0	0
920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECT	4	3	1	4	3	1	0	0	0
921	ACCIDENT CAUSED BY EXPLOSION OF PRESSURE VESSEL	1	0	1	1	0	1	0	0	0
922	ACCIDENT CAUSED BY FIREARM MISSILE	20	15	5	20	15	5	0	0	0
924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSION MATERIAL AND STEAM	2	2	0	0	0	0	2	2	0
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	12	12	0	11	11	0	1	1	0
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	56	35	21	51	33	18	5	2	3
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	15	9	6	15	9	6	0	0	0
929	LATE EFFECTS OF ACCIDENTAL INJURY	15	9	6	15	9	6	0	0	0
930-949	DRUGS MEDICAMENTS AND BIOLOGICAL SUBSTANCES IN THERAPY	3	2	1	2	2	0	1	0	1
947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	3	2	1	2	2	0	1	0	1
950-959	SUICIDE AND SELF-INFLICTED INJURY	535	399	136	516	383	133	19	16	3

TABLE C-15

1984

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
950	BY SOLID OR LIQUID SUBSTANCES	76	26	50	73	23	50	3	3	0
952	BY OTHER GASES AND VAPOURS	60	47	13	59	46	13	1	1	0
953	BY HANGING, STRANGULATION AND SUFFOCATION	172	135	37	167	132	35	5	3	2
954	BY SUBMERSION (DROWNING)	17	9	8	17	9	8	0	0	0
955	BY FIREARMS AND EXPLOSIVES	159	143	16	153	137	16	6	6	0
956	BY CUTTING AND PIERCING INSTRUMENTS	6	5	1	6	5	1	0	0	0
957	BY JUMPING FROM HIGH PLACE	32	26	6	28	23	5	4	3	1
958	BY OTHER AND UNSPECIFIED MEANS	13	8	5	13	8	5	0	0	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	212	156	56	156	115	41	54	40	14
960	FIGHT, BRAWL, RAPE	1	1	0	1	1	0	0	0	0
963	ASSAULT BY HANGING AND STRANGULATION	9	4	5	8	4	4	1	0	1
964	ASSAULT BY SUBMERSION (DROWNING)	1	0	1	1	0	1	0	0	0
965	ASSAULT BY FIREARMS AND EXPLOSIVES	91	83	8	60	56	4	31	27	4
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	62	44	18	49	35	14	12	9	3
967	CHILD BATTERING AND OTHER MALTREATMENT	1	1	0	0	0	0	1	1	0
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	47	23	24	37	19	18	9	3	6
970-978	LEGAL INTERVENTION	3	3	0	3	3	0	0	0	0
970	BY FIREARMS	3	3	0	3	3	0	0	0	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	77	52	25	66	43	23	11	9	2
980	POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	45	28	17	39	23	16	6	5	1
982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	2	0	1	1	0	1	1	0
983	HANGING, STRANGULATION OR SUFFOCATION, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	1	1	2	1	1	0	0	0
984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	8	7	1	7	6	1	1	1	0
985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	3	0	2	2	0	1	1	0
987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	1	0	1	1	0	0	0	0
988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	15	10	5	14	9	5	1	1	0
989	LATE EFFECTS OF INJURY, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	0	1	0	0	0	1	0	1
990-999	INJURY RESULTING FROM OPERATIONS OF WAR	1	1	0	1	1	0	0	0	0
999	LATE EFFECTS OF INJURY DUE TO WAR OPERATIONS	1	1	0	1	1	0	0	0	0
***	RESIDENT GRAND TOTALS	55189	27256	27933	53309	26203	27106	1832	1023	809

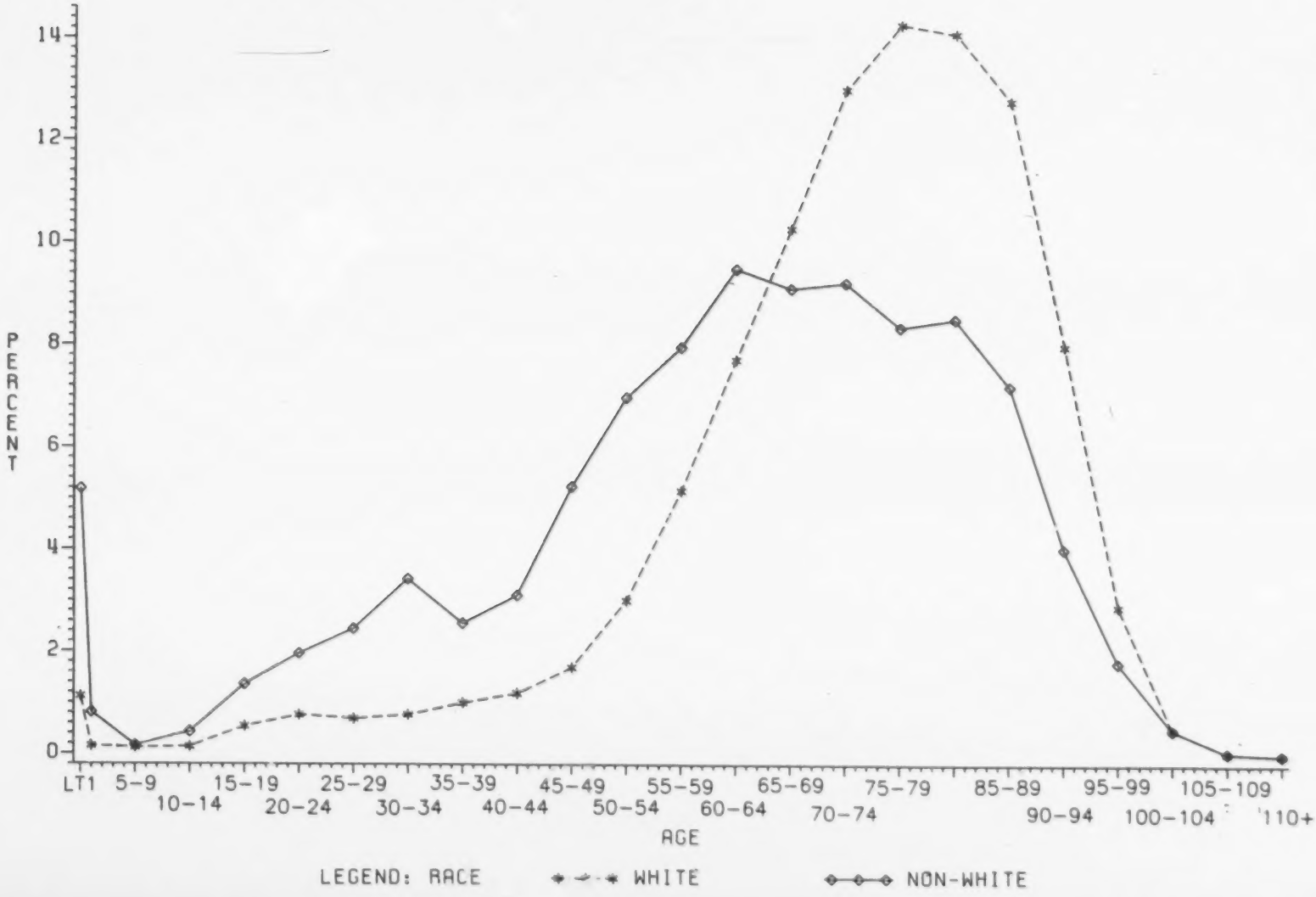
TOTALS INCLUDE 48 OF UNKNOWN RACE: 30 MALES AND 18 FEMALES.

FIGURE C-5

MASSACHUSETTS RESIDENT DEATHS

PROPORTION BY AGE GROUP WITHIN RACE

1984



NEONATAL AND INFANT DEATHS

SECTION D

INFANT AND NEONATAL MORTALITY

In 1984, the number of infant deaths (deaths under 1 year) increased from 682 to 699 resulting in a rate of 8.9 per 1,000 live births, a slightly lower rate than in 1983. The neonatal deaths (deaths under 28 days) were 10 fewer than in 1983 and the rate fell from 6.3 per 1,000 live births to 6.0. The rates for 1984 reflect the lowest ever recorded in Massachusetts.

The majority (65.5%) of neonatal deaths occurred in babies less than one day old. Deaths to babies under one week old constituted 89.8% of all neonatal deaths. Neonatal deaths represented 67.5% of all infant deaths. In 1983, neonatal deaths were 70.7% of all infant deaths.

Of the 472 neonatal deaths, 66.3% were due to "certain conditions originating in the perinatal period" (ICD-9 codes 760-779) and an additional 29.4% were due to "congenital anomalies" (ICD-9 740-759).

The number of infant deaths in the post-neonatal stage increased 13.5% in 1984 to 227. The causes of death for this group were somewhat different with 31.7% due to Sudden Infant Death Syndrome, and 23.8% due to congenital anomalies. Table D-3 describes more specifically cause of death by age and sex for these deaths.

A disproportionate number of the infant and neonatal deaths were to non-white babies. Of all babies born to residents of the Commonwealth in 1984, 9.4% were non-white and 3.1% were of unknown race. Of the infant deaths, 13.6% were non-white and 12.3% of the neonatal deaths were non-white. Perinatal mortality is, in fact, the fifth leading cause of death for non-whites in Massachusetts.

Neonatal mortality is strongly related to birthweight. Babies of immature birthweight (under 2500 grams or 5 pounds, 8 ounces) accounted for only 5.9% of all babies born in Massachusetts in 1984, but neonatal deaths matched with birth records reflected 67.8% of the deaths were to low weight babies.

FIGURE D-1

INFANT AND NEONATAL DEATH RATES

MASSACHUSETTS AND UNITED STATES

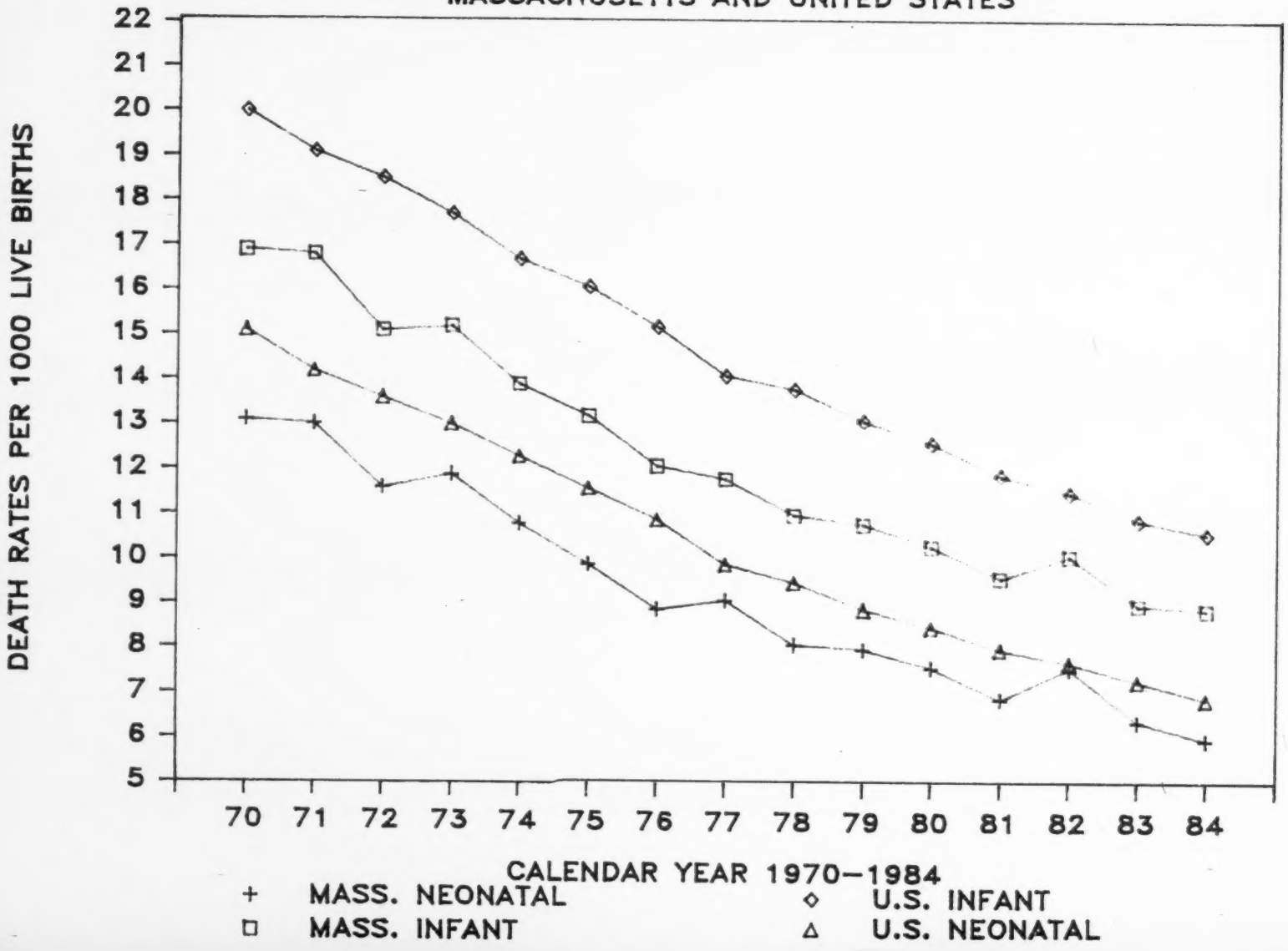


TABLE D-1
RESIDENT INFANT AND NEONATAL DEATHS, MASSACHUSETTS AND UNITED STATES
1970-1984

YEAR	DEATHS UNDER ONE YEAR			DEATHS UNDER 28 DAYS		
	MASS. NUMBER	PER 1,000 LIVE BIRTHS		MASS. NUMBER	PER 1,000 LIVE BIRTHS	
		MASS.	U.S.		MASS.	U.S.
1970	1,583	16.9	20.0	1,231	13.1	15.1
1971	1,462	16.8	19.1	1,130	13.0	14.2
1972	1,164	15.1	18.5	896	11.6	13.6
1973	1,104	15.2	17.7	861	11.9	13.0
1974	976	13.9	16.7	763	10.8	12.3
1975	903	13.2	16.1	678	9.9	11.6
1976	799	12.1	15.2	585	8.9	10.9
1977	806	11.8	14.1	616	9.1	9.9
1978	753	11.0	13.8	552	8.1	9.5
1979	760	10.8	13.1	564	8.0	8.9
1980	748	10.3	12.6	550	7.6	8.5
1981	710	9.6	11.9	510	6.9	8.0
1982	764	10.1	11.5	573	7.6	7.7
1983	682	9.0	10.9*	482	6.3	7.3*
1984	699	8.9	10.6*	472	6.0	6.9*

*U.S. RATES ARE PROVISIONAL.

FIGURE D-2

INFANT AND NEONATAL DEATH RATES BY RACE

MASSACHUSETTS

1975–1984

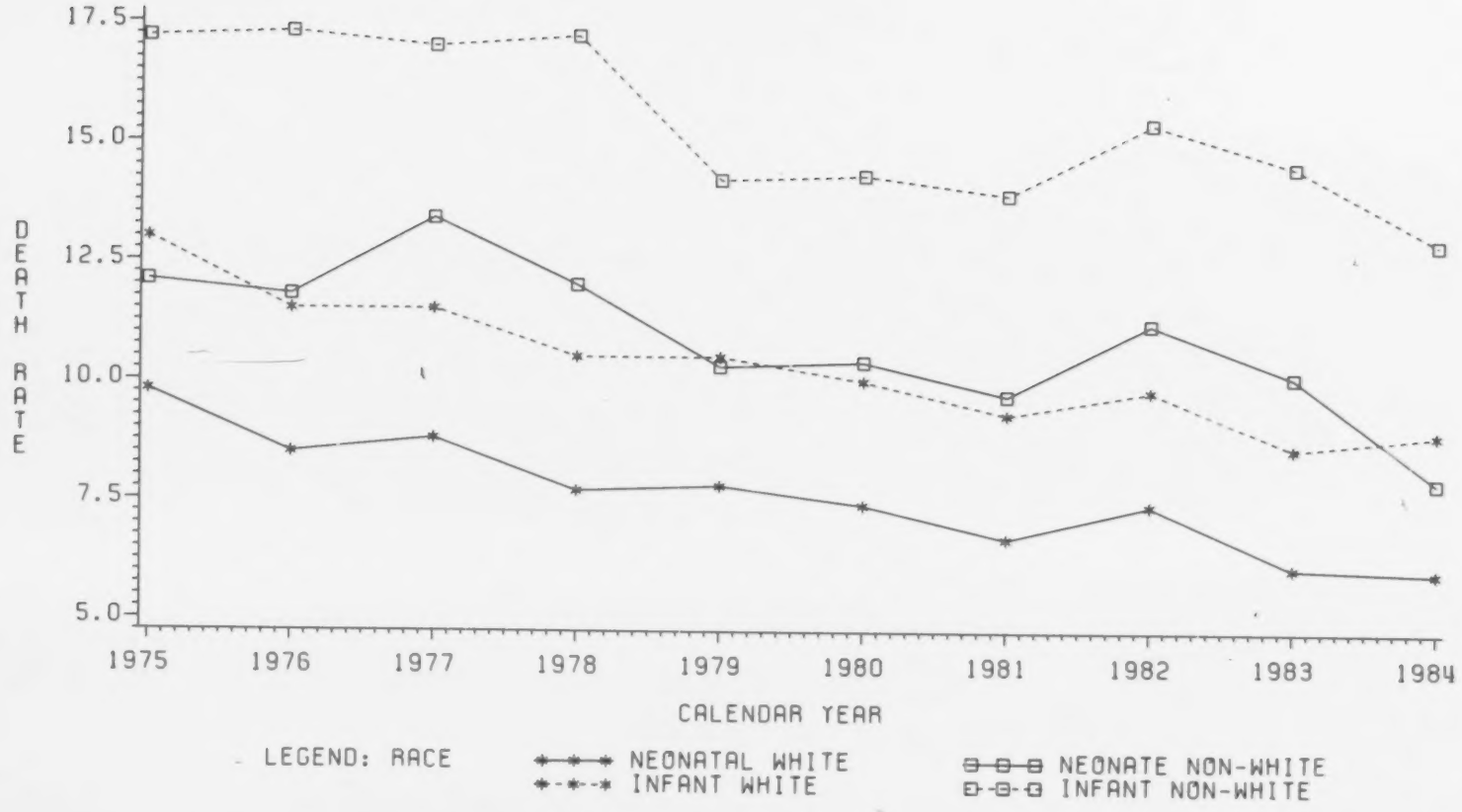


TABLE D-2
INFANT AND NEONATAL DEATHS BY AGE, SEX AND RACE, MASSACHUSETTS RESIDENTS
1984

	- TOTAL -			- WHITE -			- NON-WHITE -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL LESS THAN 1 YEAR*	699	400	299	601	347	254	95	50	45
RATE	8.9	10.0	7.9	8.8	9.9	7.6	12.9	13.6	12.3
LESS THAN 1 DAY*	309	175	134	264	154	110	44	20	24
1 DAY	54	29	25	46	23	23	7	5	2
2 DAYS	23	14	9	22	14	8	1	0	1
3 DAYS	13	7	6	13	7	6	0	0	0
4 DAYS	8	6	2	7	5	2	1	1	0
5 DAYS	6	4	2	5	4	1	1	0	1
6 DAYS	11	9	2	9	7	2	1	1	0
LESS THAN 1 WEEK*	424	244	180	366	214	152	55	27	28
7-13 DAYS	25	16	9	25	16	9	0	0	0
14-27 DAYS	23	15	8	20	12	8	3	3	0
LESS THAN 28 DAYS*	472	275	197	411	242	169	58	30	28
RATE	6.0	6.9	5.2	6.0	6.9	5.1	7.9	8.2	7.6
1 MONTH	48	26	22	40	23	17	8	3	5
2 MONTHS	46	29	17	39	25	14	7	4	3
3 MONTHS	35	19	16	33	17	16	2	2	0
4 MONTHS	31	11	20	23	6	17	8	5	3
5 MONTHS	15	8	7	10	6	4	5	2	3
6 MONTHS	18	12	6	17	11	6	1	1	0
7 MONTHS	10	8	2	8	7	1	2	1	1
8 MONTHS	3	2	1	3	2	1	0	0	0
9 MONTHS	9	6	3	9	6	3	0	0	0
10 MONTHS	9	2	7	6	1	5	3	1	2
11 MONTHS	3	2	1	2	1	1	1	1	0

*TOTALS INCLUDE THREE MALES OF UNKNOWN RACE.

TABLE D-3
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1984

	SEX	TOTAL	- NEONATAL AGE - <1 DAY	1-6 DAYS	7-27 DAYS	- POST NEONATAL AGE - 1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS
TOTAL	M	400	175	69	31	74	31	16	4
	F	299	134	46	17	55	33	6	8
	T N	699	309	115	48	129	64	22	12
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS (320-389)	M	2	0	0	1	1	0	0	0
	F	5	0	0	0	1	3	0	1
	T N	7	0	0	1	2	3	0	1
	%	1.0	0.0	0.0	2.1	1.6	4.7	0.0	8.3
DISEASES OF THE CIRCULATORY SYSTEM (390-459)	M	12	1	2	2	4	1	1	1
	F	3	0	1	0	2	0	0	0
	T N	15	1	3	2	6	1	1	1
	%	2.1	0.3	2.6	4.2	4.7	1.6	4.5	8.3
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	M	8	0	0	0	4	3	1	0
	F	7	0	1	0	4	1	0	1
	T N	15	0	1	0	8	4	1	1
	%	2.1	0.0	0.9	0.0	6.2	6.3	4.5	8.3
DISEASES OF THE DISGESTIVE SYSTEM (520-579)	M	5	0	1	1	2	1	0	0
	F	1	0	0	0	1	0	0	0
	T N	6	0	1	1	3	1	0	0
	%	0.9	0.0	0.9	2.1	2.3	1.6	0.0	0.0
CONGENITAL ANOMALIES (740-759)									
Of nervous system (740-742)	M	11	6	4	1	0	0	0	0
	F	20	10	3	1	4	1	1	0
	T	31	16	7	2	4	1	1	0
Of heart and circulatory systems (745-747)	M	46	7	23	8	5	1	2	0
	F	26	2	4	2	9	5	2	2
	T	72	9	27	10	14	6	4	2
Of respiratory system (748)	M	16	9	4	0	1	1	1	0
	F	13	6	6	0	0	1	0	0
	T	29	15	10	0	1	2	1	0
Chromosomal anomalies (758)	M	9	1	4	1	0	1	1	1
	F	16	2	3	3	2	6	0	0
	T	25	3	7	4	2	7	1	1
Other congenital anomalies (749-757, 759)	M	27	15	6	1	3	1	1	0
	F	9	4	3	0	2	0	0	0
	T	36	19	9	1	5	1	1	0
TOTAL CONGENITAL ANOMALIES	M	109	38	41	11	9	4	5	1
	F	84	24	19	6	17	13	3	2
	T N	193	62	60	17	26	17	8	3
	%	27.7	20.1	52.2	35.4	20.2	26.5	36.5	25.0

TABLE D-3 (continued)
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1984

CAUSE	SEX	- NEONATAL AGE -				- POST NEONATAL AGE -			
		TOTAL	<1 DAY	1-6 DAYS	7-27 DAYS	1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS
CERTAIN CONDITIONS ORIGINATING IN PERI-NATAL PERIOD (760-779)									
Maternal conditions (760-763)	M	29	28	1	0	0	0	0	0
	F	31	30	1	0	0	0	0	0
	T	60	58	2	0	0	0	0	0
Disorders relating to short gestation (765)	M	32	32	0	0	0	0	0	0
	F	28	26	2	0	0	0	0	0
	T	60	58	2	0	0	0	0	0
Interuterine hypoxia & birth asphyxia (768)	M	11	7	1	3	0	0	0	0
	F	8	5	2	0	1	0	0	0
	T	19	12	3	3	1	0	0	0
Respiratory distress syndrome (769)	M	34	20	8	2	4	0	0	0
	F	12	6	5	0	1	0	0	0
	T	46	26	13	2	5	0	0	0
Other respiratory infections of newborn (770)	M	41	24	7	2	2	3	3	0
	F	37	24	7	4	2	0	0	0
	T	78	48	14	6	4	3	3	0
Other and ill-defined (767, 771-779)	M	38	22	8	6	2	0	0	0
	F	32	18	6	6	2	0	0	0
	T	70	40	14	12	4	0	0	0
TOTAL OF CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	M	185	133	25	13	8	3	3	0
	F	148	109	23	10	6	0	0	0
	T N	333	242	48	23	14	3	3	0
	%	47.7	78.3	41.7	47.8	10.8	4.7	13.6	0.0
SUDDEN INFANT DEATH SYNDROME (7980)	M	46	0	0	1	33	9	3	0
	F	27	0	0	0	18	8	1	0
	T N	73	0	0	1	51	17	4	0
	%	10.4	0.0	0.0	2.1	39.5	26.5	18.2	0
EXTERNAL CAUSES (800-999)	M	9	0	0	0	4	2	2	1
	F	8	0	0	0	2	4	1	1
	T N	17	0	0	0	6	6	3	2
	%	2.4	0.0	0.0	0.0	4.7	9.4	13.6	16.7
ALL OTHER CAUSES	M	24	3	0	2	9	8	1	1
	F	16	1	2	1	4	4	1	3
	T N	40	4	2	3	13	12	2	4
	%	5.7	1.3	1.7	6.3	10.0	18.7	9.1	33.4

FIGURE D-3

NEONATAL DEATHS BY MEAN BIRTHWEIGHT

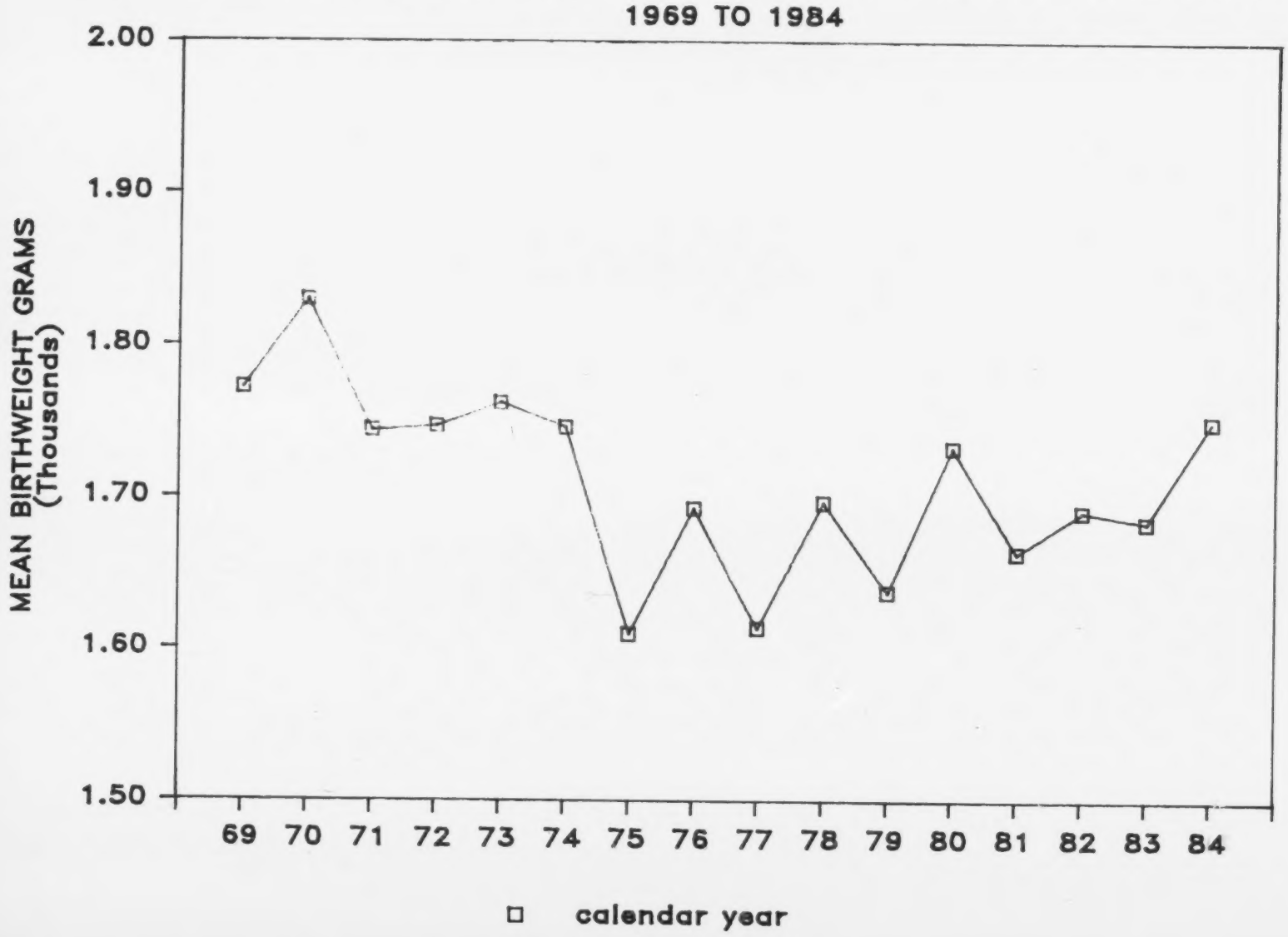


TABLE D-4

NEONATAL MORTALITY BY BIRTHWEIGHT*, MASSACHUSETTS RESIDENTS

1970-1984

		ALL BIRTHWEIGHTS	<500 gms	500-1499 gms	1500-2499 gms	2500-4499 gms	4500-8165 gms	UNKNOWN
1970	DEATHS	1,255	79	536	319	297	4	20
	BIRTHS	96,507	85	894	6,197	88,093	1,196	42
	RATE	13.0	929.4	599.6	51.5	3.4	3.3	
1971	DEATHS	1,138	77	517	286	245	4	9
	BIRTHS	89,478	79	837	5,414	81,962	1,168	18
	RATE	12.7	974.6	617.7	52.8	3.0	3.4	
1972	DEATHS	899	58	420	202	204	2	13
	BIRTHS	79,161	61	719	4,783	72,483	1,088	27
	RATE	11.4	950.8	584.1	42.2	2.8	1.8	
1973	DEATHS	872	79	410	169	202	5	7
	BIRTHS	74,190	84	713	4,500	67,841	1,040	12
	RATE	11.8	940.4	575.0	37.6	3.0	4.8	
1974	DEATHS	772	70	362	157	166	4	13
	BIRTHS	71,900	77	639	4,078	66,081	999	26
	RATE	10.7	909.0	566.5	38.5	2.5	4.0	
1975	DEATHS	661	75	339	112	123	2	10
	BIRTHS	69,726	98	665	3,997	63,976	967	23
	RATE	9.5	765.3	509.8	28.0	1.9	2.1	
1976	DEATHS	568	61	272	90	122	4	19
	BIRTHS	67,618	63	621	3,807	61,980	1,101	46
	RATE	8.4	968.2	438.0	23.6	2.0	3.6	
1977	DEATHS	604	66	294	96	124	0	24
	BIRTHS	69,539	72	635	3,760	63,861	1,161	50
	RATE	8.7	916.6	463.0	25.5	1.9	0	
1978	DEATHS	573	71	261	84	119	3	35
	BIRTHS	70,269	74	642	3,784	64,467	1,246	56
	RATE	8.2	959.4	406.5	22.2	1.8	2.4	
1979	DEATHS	579	75	290	92	105	2	15
	BIRTHS	72,295	72	660	3,660	66,439	1,395	69
	RATE	8.0	1041.6	439.4	25.1	1.6	1.4	
1980	DEATHS	565	89	248	76	118	4	30
	BIRTHS	74,251	91	653	3,745	68,245	1,450	67
	RATE	7.6	978.0	379.8	20.3	1.7	2.8	
1981	DEATHS	482	77	208	58	99	4	36
	BIRTHS	75,546	84	662	3,735	69,512	1,501	52
	RATE	6.4	916.6	314.2	15.5	1.4	2.7	
1982	DEATHS	589	95	276	71	128	3	16
	BIRTHS	77,441	91	748	3,685	71,339	1,525	53
	RATE	7.6	1043.9	369.0	19.3	1.8	2.0	
1983	DEATHS	513	97	223	55	109	4	25
	BIRTHS	77,737	87	703	3,749	71,500	1,632	66
	RATE	66	1114.9	317.2	14.7	1.5	2.5	
1984	DEATH	506	94	186	63	99	3	61
	BIRTHS	79,752	97	675	3,900	73,282	1,725	73
	RATE	63	969.1	275.6	16.2	1.4	1.7	

*THE FIGURES USED IN THIS TABLE CANNOT BE DIRECTLY COMPARED WITH OTHER TABLES IN THIS REPORT. NEONATAL MORTALITY STATISTICS BY BIRTHWEIGHT INCLUDE DEATHS TO INFANTS LESS THAN 28 DAYS OLD WHO WERE BORN TO RESIDENTS OF MASSACHUSETTS. DEATHS OCCURRING IN JANUARY OF THE SUBSEQUENT YEAR ARE ALSO INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE DATA YEAR. DEATHS OCCURRING IN JANUARY OF THE DATA YEAR ARE NOT INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE PREVIOUS YEAR. DENOMINATORS ARE OCCURRENCE BIRTHS OF THE DATA YEAR.

THE NUMBER OF NEONATAL DEATHS WEIGHING UNDER 500 GRAMS SOMETIMES EXCEEDS THE NUMBER OF BIRTHS. IN SOME CASES HOSPITALS NEGLECT TO FILE BIRTH RECORDS FOR SOME LOW BIRTHWEIGHT BABIES. ALTHOUGH THE BIRTH RECORDS ARE SUBSEQUENTLY FILED WHEN WE DISCOVER THESE ERRORS, THIS USUALLY OCCURS AFTER THE FILE USED TO PROVIDE THE DENOMINATORS IS COMPLETED FOR THE DATA YEAR.

MARRIAGES AND DIVORCES

SECTION E

MARRIAGE AND DIVORCE

Marriages and divorces are reported by place of occurrence in Massachusetts. Marriages and divorces which involve Massachusetts residents but occur in other states are not included in these figures. There is no system of interstate information exchange for these events, as there is for births and deaths. It should be noted, however, that, unlike some states, Massachusetts marriage and divorce laws neither encourage out-of-state residents to come to the state nor discourage residents from using the system by unreasonable waiting periods, etc. This allows the data to be used to estimate resident activity in this area.

There were 50,306 marriages performed in the Commonwealth during 1984, an increase of 3.1% over the 1983 figure of 48,789. The rate was 8.8 per 1,000 population. Of the brides, 75.2% had never been married before, 2.3% were widowed and 22.5% were previously divorced. The previous marital status of grooms was similar. People under the age of twenty accounted for 8.7% of the brides and 3.0% of the grooms. June was still the most popular month with 13.9% of the weddings and January the least popular with only 3.6%.

There were 17,123 divorces granted in Massachusetts in 1984, a decrease of 1,354 (7.9%) from 1983, resulting in a rate of 3 per 1,000 population. The rate of 3.2 per 1,000 population in 1983 was the lowest in the nation.

TABLE E-1
MARRIAGES AND DIVORCES BY COUNTY
1984

	MARRIAGES	DIVORCES
TOTAL	50,306	17,123
BARNSTABLE	1,867	506
BERKSHIRE	1,325	485
BRISTOL	4,210	1,502
DUKES	250	49
ESSEX	5,917	1,885
FRANKLIN	584	303
HAMPDEN	3,713	1,402
HAMPSHIRE	1,024	364
MIDDLESEX	11,965	4,038
NANTUCKET	182	19
NORFOLK	5,180	1,457
PLYMOUTH	3,392	1,455
SUFFOLK	4,968	1,378
WORCESTER	5,729	2,280

FIGURE E-1

RATES OF MARRIAGE AND DIVORCE

1900–1984

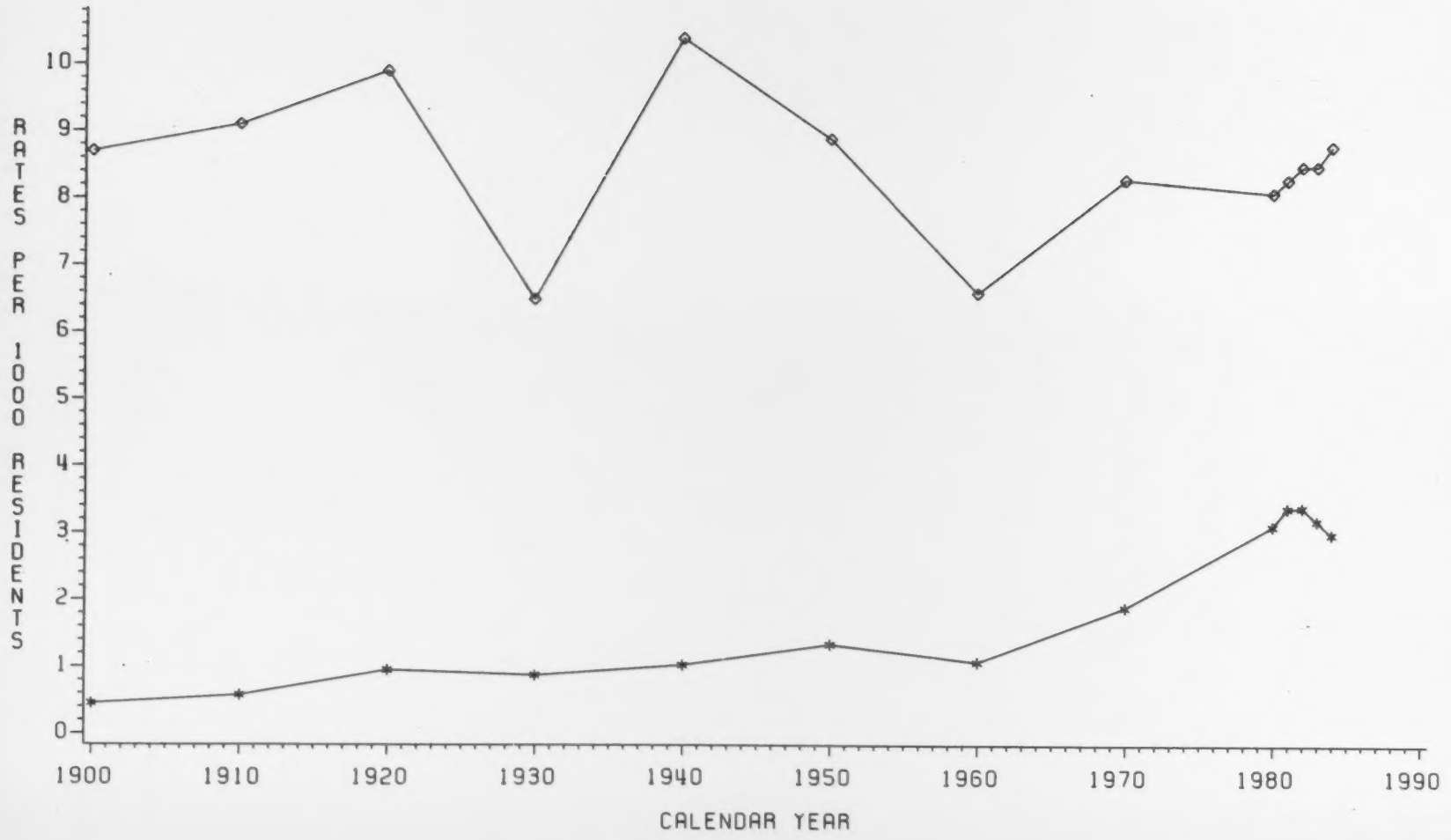


TABLE E-2
MARRIAGES AND DIVORCES AND RATES PER THOUSAND POPULATION
1900-1984

YEAR	MARRIAGES	RATE	DIVORCES	RATE
1900	24,342	8.7	1,258	0.45
1905	27,184	9.1	1,554	0.52
1910	30,710	9.1	1,929	0.57
1915	31,301	8.5	2,252	0.61
1920	38,048	9.9	3,647	0.95
1925	31,238	7.5	3,395	0.82
1930	27,431	6.5	3,746	0.88
1935	30,019	6.9	4,081	0.94
1940	44,836	10.4	4,502	1.04
1945	38,197	8.5	6,833	1.51
1950	41,711	8.9	6,365	1.35
1955	35,585	7.3	5,601	1.15
1960	34,050	6.6	5,592	1.08
1965	38,281	7.2	7,728	1.46
1970	47,292	8.3	10,818	1.90
1975	42,103	7.3	16,460	2.84
1980	46,273	8.1	17,873	3.12
1981	47,802	8.3	19,502	3.39
1982	48,654	8.5	19,531	3.40
1983	48,789	8.5	18,477	3.21
1984	50,302	8.8	17,123	2.98

TABLE E-3
MARRIAGES BY AGE AND MARITAL STATUS
1984

AGE	TOTAL	%	SINGLE	%	WIDOWED	%	DIVORCED	%
			- BRIDE -					
TOTAL	50,306	100.0	37,801	75.2	1,161	2.3	11,344	22.5
<20	4,349	8.7	4,334	8.7	1	0	14	0
20-29	32,082	63.8	28,685	57.0	72	.2	3,325	6.6
30-39	9,777	19.4	4,254	8.5	181	.3	5,342	10.6
40-49	2,644	5.3	380	.7	227	.5	2,037	4.1
50-59	855	1.7	97	.2	259	.5	499	1.0
60-69	427	.8	34	.1	284	.5	109	.2
≥70	172	.3	17	0	137	.3	18	0
			- GROOM -					
TOTAL	50,306	100.0	36,505	72.6	1,331	2.6	12,470	24.8
<20	1,491	3.0	1,489	3.0	1	0	1	0
20-29	29,687	59.0	27,626	54.9	21	0	2,040	4.1
30-39	12,569	24.9	6,656	13.2	109	.2	5,804	11.5
40-49	3,791	7.5	542	1.1	158	.3	3,091	6.1
50-59	1,680	3.3	133	.3	362	.7	1,185	2.3
60-69	743	1.5	44	.1	397	.8	302	.6
≥70	345	.8	15	0	283	.6	47	.2

TABLE E-4
NUMBER OF MARRIAGES FOR AGE OF BRIDE BY AGE OF GROOM
1984

AGE OF BRIDE	- AGE OF GROOM -							
	TOTAL	<20	20-29	30-39	40-49	50-59	60-69	≥70
TOTAL	50,306	1,491	29,687	12,569	3,791	1,680	743	345
<20	4,349	1,096	3,113	127	11	1	0	1
20-29	32,082	384	24,440	6,499	674	78	6	1
30-39	9,777	10	2,041	5,442	1,862	363	56	3
40-49	2,644	1	92	484	1,130	761	154	22
50-59	855	0	1	16	106	415	269	48
60-69	427	0	0	0	7	59	233	128
≥70	172	0	0	1	1	3	25	142

TABLE E-5
NUMBER OF MARRIAGES FOR BRIDE BY NUMBER OF MARRIAGES FOR GROOM
1984

NUMBER OF BRIDE MARRIAGES	NUMBER OF GROOM MARRIAGES					
	TOTAL	1	2	3	4	≥5
TOTAL	50,306	36,499	12,036	1,585	158	28
1	37,800	31,884	5,434	446	30	6
2	11,018	4,275	5,793	854	85	11
3	1,334	317	722	257	32	6
4	141	21	82	25	10	3
≥5	13	2	5	3	1	2

INDUCED ABORTIONS

SECTION F

INDUCED ABORTIONS

There were 31,876 induced abortions reported in 1984, a decrease of 5,396 (14.5%) from the total of 37,272 reported in 1983. Over half (58%) of induced abortions were provided to women between the ages of 20 and 29. Women under the age of 20 accounted for 23.5% of all induced abortions.

The data on induced abortions must be considered differently from other data presented in this report. These data represent reported abortions performed in Massachusetts regardless of residence. It is not possible to ascertain the number obtained in other states by residents of Massachusetts.

Clinics account for 67% of induced abortions, while 15.6% occur in hospitals. The balance are provided by group practices and physicians.

TABLE F-1
NUMBER OF ABORTIONS OCCURRING IN MASSACHUSETTS BY TYPE OF FACILITY AND AGE OF WOMAN
1984

AGE		TOTAL	CLINICS	PHYSICIANS AND GROUP PRACTICE	HOSPITALS
TOTAL	N	31,876	21,374	5,531	4,971
	%	100.0	67.0	17.4	15.6
<15	N	200	89	32	79
	%	100.0	44.5	16.0	39.5
15-19	N	7,322	4,020	2,195	1,107
	%	100.0	54.9	30.0	15.1
20-29	N	18,501	13,395	2,577	2,529
	%	100.0	72.4	13.9	13.7
30-39	N	5,395	3,612	650	1,133
	%	100.0	67.0	12.0	21.0
40+	N	441	258	73	110
	%	100.0	58.5	16.6	24.9
UNKNOWN	N	17	0	4	13
	%	100.0		23.5	76.5

POPULATION

SECTION G

POPULATION

The population data in this section are presented for use in computing rates for small areas and for displaying changes over time by municipality, county, and health service area. They are based on the federal census for decennial years (1970 and 1980) and on the Commonwealth's census for intercensal years (1955, 1965, and 1975). Of the Massachusetts population, 52.4% is female and 93.4% is white.

It is worth noting that Massachusetts' method of enumeration differs from the federal census. Generally, the state's figures have excluded nonresident students and military families residing in the Commonwealth, which are included in the federal census.

Massachusetts population estimates, 1981-1984, (Table G-5) were produced using a methodology developed by the Connecticut Department of Health Services. This methodology applies the state migration patterns, by age and sex, for the past decade to the estimated number of migrants for each of the four years. The number of estimated migrants is obtained by comparing the Federal Bureau of the Census yearly population estimate for Massachusetts with the number of survivors since the 1980 census count. For example, the number of survivors in 1981 is equal to the 1980 census population plus the national increase (births-deaths). These estimates are intended to be provisional and will be revised in future Department publications.

FIGURE G-1

MASSACHUSETTS POPULATION

1900 TO 1980

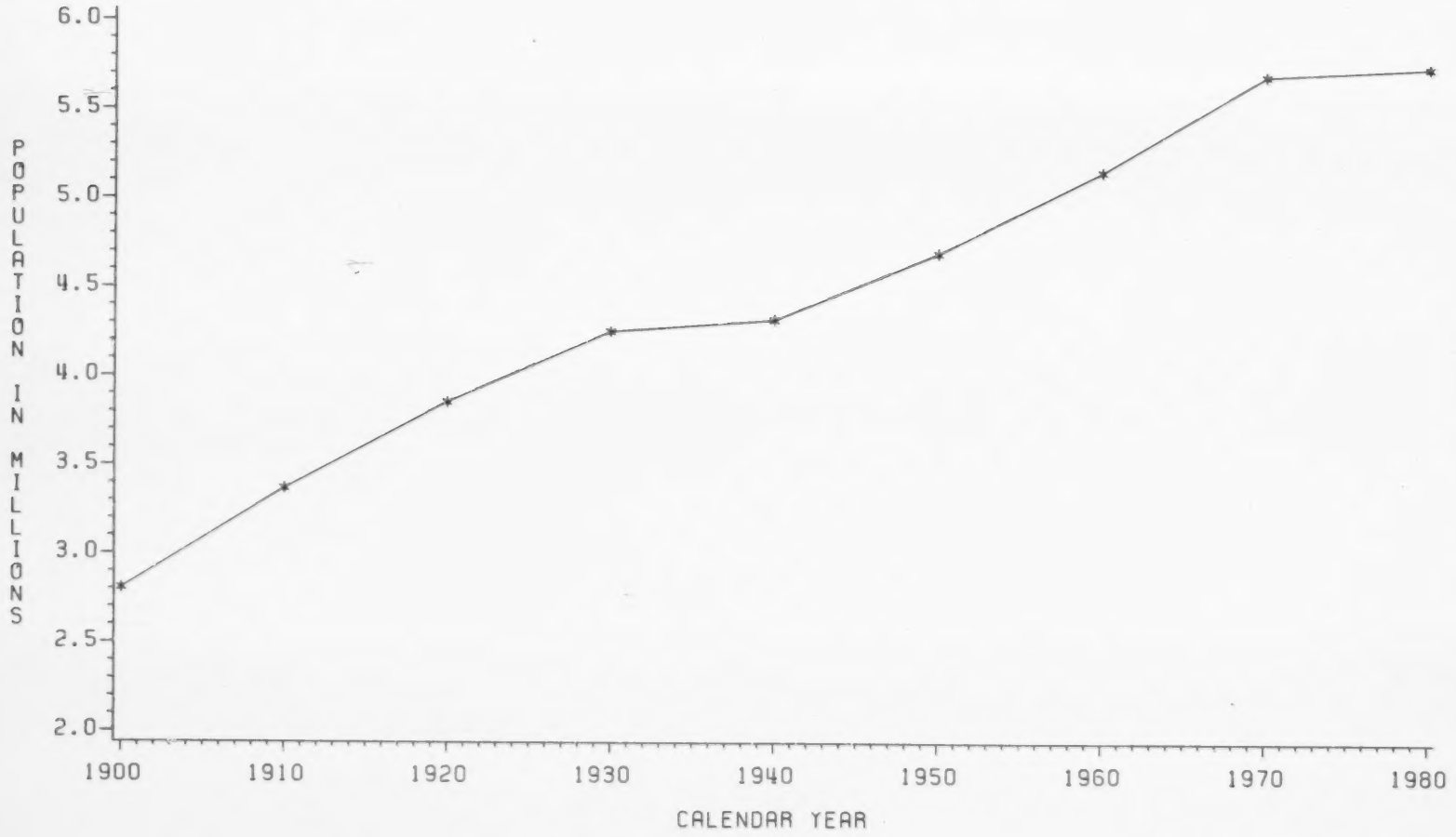


FIGURE G-2

1980 MASSACHUSETTS POPULATION BY AGE

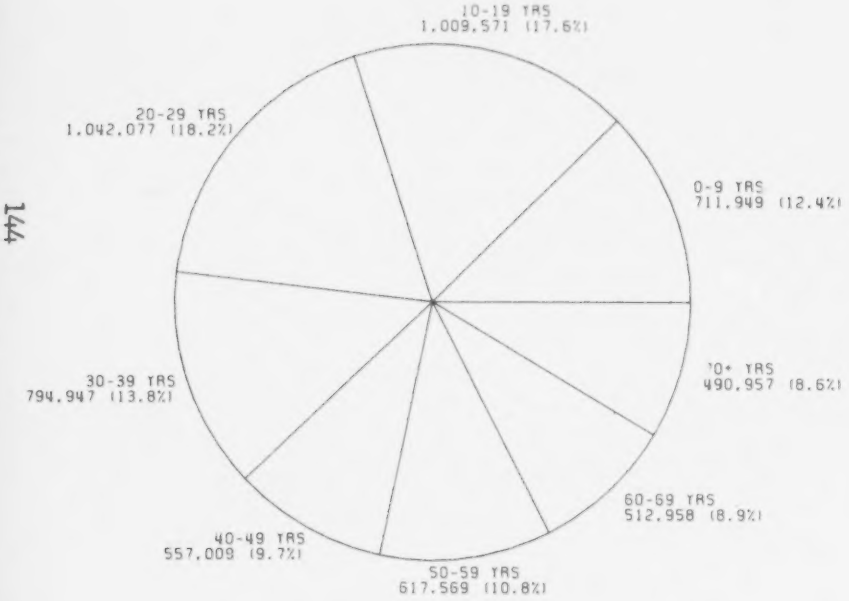


FIGURE G-3

1980 MASSACHUSETTS POPULATION BY RACE

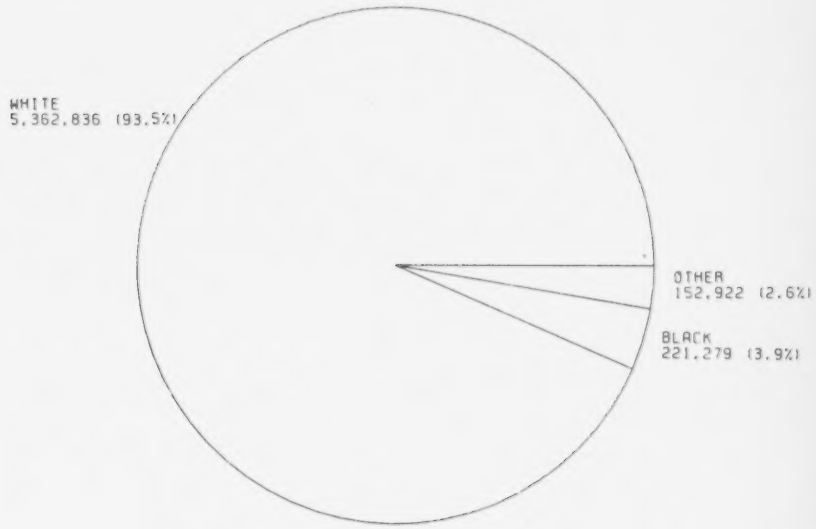


TABLE G-1
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
UNDER 1	MALE	36,771	32,822	2,076	1,873
	FEMALE	34,959	31,174	1,938	1,847
	TOTAL	71,730	63,996	4,014	3,720
1-4	MALE	136,258	122,083	7,454	6,721
	FEMALE	129,227	115,440	7,190	6,597
	TOTAL	265,485	237,523	14,644	13,318
5-9	MALE	191,602	173,505	9,866	8,231
	FEMALE	183,132	165,337	9,819	7,976
	TOTAL	374,734	338,842	19,685	16,207
10-14	MALE	235,669	216,445	11,636	7,588
	FEMALE	225,663	206,831	11,429	7,403
	TOTAL	461,332	423,276	23,065	14,991
15-19	MALE	274,859	253,767	12,934	8,158
	FEMALE	273,380	252,117	13,106	8,157
	TOTAL	548,239	505,884	26,040	16,315
20-24	MALE	270,713	250,616	11,558	8,539
	FEMALE	282,189	260,612	12,809	8,768
	TOTAL	552,902	511,228	24,367	17,307
25-29	MALE	239,341	221,554	9,952	7,835
	FEMALE	249,834	230,586	11,031	8,217
	TOTAL	489,175	452,140	20,983	16,052
30-34	MALE	217,649	202,785	8,306	6,558
	FEMALE	228,746	211,798	9,634	7,314
	TOTAL	446,395	414,583	17,940	13,872
35-39	MALE	169,502	158,362	6,577	4,563
	FEMALE	179,050	166,127	7,956	4,967
	TOTAL	348,552	324,489	14,533	9,530
40-44	MALE	134,925	126,332	5,013	3,580
	FEMALE	143,823	134,182	5,866	3,775
	TOTAL	278,748	260,514	10,879	7,355
45-49	MALE	134,444	127,300	4,329	2,815
	FEMALE	143,817	135,730	5-030	3,057
	TOTAL	278,261	263,030	9,359	5,872
50-54	MALE	146,211	139,828	4,057	2,326
	FEMALE	160,363	152,917	4,793	2,653
	TOTAL	306,574	292,745	8,850	4,979

TABLE G-1 (continued)
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
55-59	MALE	145,603	140,132	3,587	1,884
	FEMALE	165,392	159,005	4,304	2,083
	TOTAL	310,995	299,137	7,891	3,967
60-64	MALE	126,323	122,160	2,803	1,360
	FEMALE	151,061	145,859	3,510	1,692
	TOTAL	277,384	268,019	6,313	3,052
65-69	MALE	101,023	98,076	1,953	994
	FEMALE	134,551	130,398	2,810	1,343
	TOTAL	235,574	228,474	4,763	2,337
70-74	MALE	73,235	71,293	1,285	657
	FEMALE	113,806	110,942	1,892	972
	TOTAL	187,041	182,235	3,177	1,629
75-79	MALE	48,145	46,859	810	476
	FEMALE	89,683	87,573	1,441	669
	TOTAL	137,828	134,432	2,251	1,145
80-84	MALE	28,513	27,747	480	286
	FEMALE	63,667	62,351	899	417
	TOTAL	92,180	90,098	1,379	703
85 & OVER	MALE	20,107	19,485	374	248
	FEMALE	53,801	52,706	772	323
	TOTAL	73,908	72,191	1,146	571
TOTAL	MALE	2,730,893	2,551,151	105,050	74,692
	FEMALE	3,006,144	2,811,685	116,229	78,230
	TOTAL	5,737,037	5,362,836	221,279	152,922
		(100.0%)	(93.4%)	(3.9%)	(2.7%)

TABLE G-2
MASSACHUSETTS POPULATION BY COUNTIES
SIX CENSUS YEARS

	STATE 1955	FEDERAL 1960	STATE 1965	FEDERAL 1970	STATE 1975	FEDERAL 1980
STATE	4,837,645	5,148,578	5,295,281	5,689,170	5,789,478	5,737,037
COUNTIES						
BARNSTABLE	52,728	70,286	73,557	96,656	126,481	147,925
BERKSHIRE	138,119	142,135	145,597	149,402	148,069	145,110
BRISTOL	389,540	398,488	415,242	444,301	461,852	474,641
DUKES	6,069	5,829	5,948	6,117	7,951	8,942
ESSEX	543,526	568,831	608,996	637,887	631,627	633,632
FRANKLIN	55,573	54,864	57,687	59,210	63,420	64,317
HAMPDEN	389,237	429,353	435,281	459,050	461,659	443,018
HAMPSHIRE	87,142	103,229	100,065	123,981	122,729	138,813
MIDDLESEX	1,115,252	1,238,742	1,280,235	1,397,268	1,397,524	1,367,034
NANTUCKET	3,642	3,559	3,714	3,774	5,559	5,087
NORFOLK	448,144	510,256	560,137	605,051	620,346	606,587
PLYMOUTH	214,456	248,449	292,697	333,314	377,500	405,437
SUFFOLK	819,797	791,329	706,216	735,190	724,703	650,142
WORCESTER	574,420	583,228	609,909	637,969	640,058	646,352

TABLE G-3
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ABINGTON	12334	13517
ACTON	14770	17544
ACUSHNET	7767	8704
ADAMS	11772	10381
AGAWAM	21717	26271
ALFORD	302	394
AMESBURY	11388	13971
AMHERST	26331	33229
ANDOVER	23695	26370
ARLINGTON	53524	48219
ASHBURNHAM	3484	4075
ASHBY	2274	2311
ASHFIELD	1274	1458
ASHLAND	8882	9165
ATHOL	11185	10634
ATTLEBORO	32907	34196
AUBURN	15347	14845
AVON	5295	5026
AYER	8325	6993
BARNSTABLE	19842	30898
BARRE	3825	4102
BECKET	929	1339
BEDFORD	13513	13067
BELCHERTOWN	5936	8339
BELLINGHAM	13967	14300
BELMONT	28285	26100
BERKLEY	2027	2731
BERLIN	2099	2215
BERNARDSTON	1659	1750
BEVERLY	38348	37655
BILLERICA	31648	36727
BLACKSTONE	6566	6570
BLANDFORD	863	1038
BOLTON	1905	2530
BOSTON	641071	562994
BOURNE	12636	13874
BOXBOROUGH	1451	3126
BOXFORD	4032	5374
BOYLSTON	2774	3470
BRAINTREE	35050	36337
BREWSTER	1790	5226
BRIDGEWATER	11829	17202
BRIMFIELD	1907	2318
BROCKTON	89040	95172
BROOKFIELD	2063	2397
BROOKLINE	58886	55062
BUCKLAND	1892	1864
BURLINGTON	21980	23486
CAMBRIDGE	100361	95322
CANTON	17100	18182
CARLISLE	2871	3306
CARVER	2420	6988
CHARLEMONT	897	1149
CHARLTON	4654	6719
CHATHAM	4554	6071
CHELMSFORD	31432	31174
CHELSEA	30625	25431
CHESHIRE	3006	3124
CHESTER	1025	1123
CHESTERFIELD	704	1000
CHICOPEE	66676	55112
CHILMARK	340	489
CLARKSBURG	1987	1871
CLINTON	13383	12771
COHASSET	6954	7174
COLRAIN	1420	1552
CONCORD	16148	16293
CONWAY	998	1213
CUMMINGTON	562	657
DALTON	7505	6797
DANVERS	26151	24100
DARTMOUTH	18800	23966
DEDHAM	26938	25298
DEERFIELD	3850	4517

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
DENNIS	6454	12360	GRANVILLE	1008	1204
DIGHTON	4667	5352	GREAT BARRINGTON	7537	7405
DOUGLAS	2947	3730	GREENFIELD	18116	18436
DOVER	4529	4703	GROTON	5109	6154
DRACUT	18214	21249	GROVELAND	5382	5040
DUDLEY	8087	8717	HADLEY	3750	4125
DUNSTABLE	1292	1671	HALIFAX	3537	5513
DUXBURY	7636	11807	HAMILTON	6373	6960
EAST BRIDGEWATER	8347	9945	HAMPDEN	4572	4745
EAST BROOKFIELD	1800	1955	HANCOCK	675	643
EAST LONGMEADOW	13029	12905	HANOVER	10107	11358
EASTHAM	2043	3472	HANSON	7148	8617
EASTHAMPTON	13012	15580	HARDWICK	2379	2272
EASTON	12157	16623	HARVARD	12494	12170
EDGARTOWN	1481	2204	HARWICH	5892	8971
EGREMONT	1138	1311	HATFIELD	2825	3045
ERVING	1260	1326	HAVERHILL	46120	46865
ESSEX	2670	2998	HAWLEY	224	280
EVERETT	42485	37195	HEATH	383	482
FAIRHAVEN	16332	15759	HINGHAM	18845	20339
FALL RIVER	96898	92574	HINSDALE	1588	1707
FALMOUTH	15942	23640	HOLBROOK	11775	11140
FITCHBURG	43343	39580	HOLDEN	12564	13336
FLORIDA	672	730	HOLLAND	931	1589
FOXBOROUGH	14218	14148	HOLLISTON	12069	12622
FRAMINGHAM	64048	65113	HOLYOKE	50112	44678
FRANKLIN	17830	18217	HOPEDALE	4292	3905
FREETOWN	4270	7058	HOPKINTON	5981	7114
GARDNER	19748	17900	HUBBARDSTON	1437	1797
GAY HEAD	118	220	HUDSON	16084	16408
GEORGETOWN	5290	5687	HULL	9961	9714
GILL	1100	1259	HUNTINGTON	1593	1804
GLOUCESTER	27941	27768	IPSWICH	10750	11158
GOSHEN	483	651	KINGSTON	5999	7362
GOSNOLD	83	63	LAKEVILLE	4376	5931
GRAFTON	11659	11238	LANCASTER	6095	6334
GRANBY	5473	5380	LANESBOROUGH	2972	3131

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
LAWRENCE	66915	63175
LEE	6426	6247
LEICESTER	9140	9446
LENOX	5804	6523
LEOMINSTER	32939	34508
LEVERETT	1005	1471
LEXINGTON	31886	29479
LEYDEN	376	498
LINCOLN	7567	7098
LITTLETON	6380	6970
LONGMEADOW	15630	16301
LOWELL	94239	92418
LUDLOW	17580	18150
LUNENBURG	7419	8405
LYNN	90294	78471
LYNNFIELD	10826	11267
MALDEN	56127	53386
MANCHESTER	5151	5424
MANSFIELD	9939	13453
MARBLEHEAD	21295	20126
MARION	3466	3932
MARLBOROUGH	27936	30617
MARSHFIELD	15223	20916
MASHPEE	1288	3700
MATTAPOISETT	4500	5597
MAYNARD	9710	9590
MEDFIELD	9821	10220
MEDFORD	64397	58076
MEDWAY	7938	8447
MELROSE	33180	30055
MENDON	2524	3108
MERRIMAC	4245	4451
METHUEN	35456	36701
MIDDLEBOROUGH	13607	16404
MIDDLEFIELD	288	385
MIDDLETON	4044	4135
MILFORD	19352	23390
MILLBURY	11987	11808
MILLIS	5686	6908
MILLVILLE	1764	1693
MILTON	27190	25860
MONROE	216	179
MONSON	7355	7315
MONTAGUE	8451	8011
MONTEREY	600	818
MONTGOMERY	446	637
MOUNT WASHINGTON	52	93
NAHANT	4119	3947
NANTUCKET	3774	5087
NATICK	31057	29461
NEEDHAM	29748	27901
NEW ASHFORD	183	159
NEW BEDFORD	101777	98478
NEW BRAINTREE	631	671
NEW MARLBOROUGH	1031	1160
NEW SALEM	474	688
NEWBURY	3804	4529
NEWBURYPORT	15807	15900
NEWTON	91066	83622
NORFOLK	4656	6363
NORTH ADAMS	19195	18063
NORTH ANDOVER	16284	20129
NORTH ATTLEBORO	18665	21095
NORTH BROOKFIELD	3967	4150
NORTH READING	11264	11455
NORTHAMPTON	29664	29286
NORTHBOROUGH	9218	10568
NORTHBRIDGE	11795	12246
NORTHFIELD	2631	2386
NORTON	9487	12690
NORWELL	7796	9182
NORWOOD	30815	29711
OAK BLUFFS	1385	1984
OAKHAM	730	994

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ORANGE	6104	6844
ORLEANS	3055	5306
OTIS	820	963
OXFORD	10345	11680
PALMER	11680	11389
PAXTON	3731	3762
PEABODY	48080	45976
PELHAM	937	1112
PEMBROKE	11193	13487
PEPPERELL	5887	8061
PERU	256	633
PETERSHAM	1014	1024
PHILLIPSTON	872	953
PITTSFIELD	57020	51974
PLAINFIELD	287	425
PLAINVILLE	4953	5857
PLYMOUTH	18606	35913
PLYMPTON	1224	1974
PRINCETON	1681	2425
PROVINCETOWN	2911	3536
QUINCY	87966	84743
RANDOLPH	27035	28218
RAYNHAM	6705	9035
READING	22539	22678
REHOBOTH	6512	7570
REVERE	43159	42423
RICHMOND	1461	1659
ROCHESTER	1770	3205
ROCKLAND	15674	15695
ROCKPORT	5636	6345
ROWE	277	336
ROWLEY	3040	3867
ROYALSTON	809	955
RUSSELL	1382	1570
RUTLAND	3198	4334
SALEM	40556	38220
SALISBURY	4179	5973
SANDISFIELD	547	720
SANDWICH	5239	8727
SAUGUS	25110	24746
SAVOY	322	644
SCITUATE	16973	17317
SEEKONK	11116	12269
SHARON	12367	13601
SHEFFIELD	2374	2743
SHELBURNE	1836	2002
SHERBORN	3309	4049
SHIRLEY	4909	5124
SHREWSBURY	19196	22674
SHUTESBURY	489	1049
SOMERSET	18008	18813
SOMERVILLE	88779	77372
SOUTH HADLEY	17033	16399
SOUTHAMPTON	3069	4137
SOUTHBOROUGH	5798	6193
SOUTHBRIDGE	17057	16665
SOUTHWICK	6330	7382
SPENCER	8779	10774
SPRINGFIELD	163905	152319
STERLING	4247	5440
STOCKBRIDGE	2312	2328
STONEHAM	20725	21424
STOUGHTON	23459	26710
STOW	3984	5144
STURBRIDGE	4878	5976
SUDBURY	13506	14027
SUNDERLAND	2236	2929
SUTTON	4590	5855
SWAMPSCOTT	13578	13837
SWANSEA	12640	15461
TAUNTON	43756	45001
TEMPLETON	5863	6070
TEWKSBURY	22755	24635
TISBURY	2257	2972

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
TOLLAND	172	235
TOPSFIELD	5225	5709
TOWNSEND	4281	7201
TRURO	1234	1486
TYNGSBOROUGH	4204	5683
TYRINGHAM	234	344
UPTON	3484	3886
UXBRIDGE	8253	8374
WAKEFIELD	25402	24895
WALES	852	1177
WALPOLE	18149	18859
WALTHAM	61582	58200
WARE	8187	8953
WAREHAM	11492	18457
WARREN	3633	3777
WARWICK	492	603
WASHINGTON	406	587
WATERTOWN	39307	34384
WAYLAND	13461	12170
WEBSTER	14917	14480
WELLESLEY	28051	27209
WELLFLEET	1743	2209
WENDELL	405	694
WENHAM	3849	3897
WEST BOYLSTON	6369	6204
WEST BRIDGEWATER	7152	6359
WEST BROOKFIELD	2653	3026
WEST NEWBURY	2254	2861
WEST SPRINGFIELD	28461	27042
WEST STOCKBRIDGE	1354	1280
WEST TISBURY	453	1010
WESTBOROUGH	12594	13619
WESTFIELD	31433	36465
WESTFORD	10368	13434
WESTHAMPTON	793	1137
WESTMINSTER	4273	5139
WESTON	10870	11169
WESTPORT	9791	13763
WESTWOOD	12750	13212
WEYMOUTH	54610	55601
WHATELY	1145	1341
WHITMAN	13059	13534
WILBRAHAM	11984	12053
WILLIAMSBURG	2342	2237
WILLIAMSTOWN	8454	8741
WILMINGTON	17102	17471
WINCHENDON	6635	7019
WINCHESTER	22269	20701
WINDSOR	468	598
WINTHROP	20335	19294
WOBURN	37406	36626
WORCESTER	176572	161799
WORTHINGTON	712	932
WRENTHAM	7315	7580
YARMOUTH	12033	18449
STATEWIDE TOTALS	5,689,170	5,737,037

TABLE G-4
MASSACHUSETTS POPULATION BY HEALTH SERVICE AREA
1970-1980

HSA SUBAREAS	1970 U.S. CENSUS	1980 U.S. CENSUS
11	149,906	145,674
12	158,345	175,257
13	497,215	482,586
HSA I TOTALS	805,466	803,517
21	208,593	216,595
22	245,693	235,536
23	211,838	228,390
HSA II TOTALS	666,124	680,521
31	214,152	226,991
32	142,350	146,375
33	105,541	114,518
HSA III TOTALS	462,043	487,884
41	794,076	705,204
42	477,986	456,914
43	489,096	478,314
44	159,815	164,082
45	304,155	305,625
HSA IV TOTALS	2,225,128	2,110,139
51	75,951	87,291
52	182,672	204,088
53	98,767	139,630
54	92,766	104,343
55	141,687	147,669
56	154,495	159,704
57	117,956	180,348
HSA V TOTALS*	864,294	1,023,073
61	105,943	107,914
62	140,126	132,557
63	143,927	132,268
64	113,110	110,507
65	163,009	148,657
HSA VI TOTALS	666,115	631,903
STATEWIDE TOTALS	5,689,170	5,737,037

*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

TABLE G-5
PROVISIONAL POPULATION ESTIMATES, MASSACHUSETTS*
1981-1984

AGE GROUP		TOTAL	MALE	FEMALE
0-4	1981	342,949	175,771	167,178
	1982	350,822	179,964	170,858
	1983	359,061	184,082	174,979
	1984	366,806	187,915	178,891
5-9	1981	352,084	180,047	172,037
	1982	336,800	172,328	164,472
	1983	328,230	168,158	160,072
	1984	328,034	167,900	160,134
10-14	1981	451,532	230,860	220,672
	1982	434,483	222,329	212,154
	1983	416,835	213,269	203,566
	1984	395,788	202,667	193,121
15-19	1981	528,400	267,178	261,222
	1982	508,802	259,216	249,586
	1983	495,716	250,450	245,266
	1984	478,534	241,959	236,57[illegible]
20-24	1981	566,409	275,519	290,890
	1982	568,319	276,201	292,118
	1983	568,104	275,247	292,857
	1984	561,660	273,595	288,065
25-29	1981	499,488	244,660	254,829
	1982	510,779	250,409	260,370
	1983	520,689	255,208	265,481
	1984	533,889	261,050	272,839
30-34	1981	469,113	229,183	239,930
	1982	463,867	227,232	236,635
	1983	466,591	230,316	236,275
	1984	474,715	234,835	239,880
35-39	1981	358,747	174,409	184,338
	1982	386,535	187,989	198,546
	1983	402,070	195,315	206,755
	1984	419,181	203,551	215,630
40-44	1981	285,147	138,093	147,054
	1982	292,732	141,524	151,208
	1983	312,220	150,594	161,626
	1984	329,106	159,084	170,022
45-49	1981	272,195	131,695	140,500
	1982	268,502	129,579	138,923
	1983	266,074	128,538	137,536
	1984	269,193	129,857	139,336
50-54	1981	301,536	143,875	157,661
	1982	291,600	139,062	152,538
	1983	283,151	135,235	147,916
	1984	275,438	131,598	143,840
55-59	1981	309,026	144,679	164,347
	1982	305,617	143,416	162,201
	1983	303,017	142,449	160,568
	1984	298,378	140,678	157,700

TABLE G-5 (continued)
PROVISIONAL POPULATION ESTIMATES, MASSACHUSETTS*
1981-1984

AGE GROUP		TOTAL	MALE	FEMALE
60-64	1981	282,285	128,712	153,573
	1982	285,007	130,193	154,814
	1983	285,076	130,520	154,556
	1984	287,063	131,344	155,719
65-69	1981	239,389	103,678	135,711
	1982	240,306	104,555	135,751
	1983	243,930	106,088	137,842
	1984	247,922	108,456	139,466
70-74	1981	190,559	75,097	115,462
	1982	193,251	76,301	116,950
	1983	195,052	77,535	117,517
	1984	198,378	79,502	118,876
75-79	1981	138,165	48,303	89,862
	1982	141,295	49,529	91,766
	1983	144,609	50,844	93,765
	1984	148,030	52,194	95,836
80-84	1981	93,994	28,550	65,444
	1982	93,499	28,322	65,177
	1983	95,292	28,998	66,294
	1984	96,869	29,727	67,142
85+	1981	75,981	20,426	55,555
	1982	77,784	20,441	57,343
	1983	81,283	21,058	60,225
	1984	83,016	20,982	62,034
TOTALS	1981	5,757,000	2,740,735	3,016,265
	1982	5,750,000	2,738,590	3,011,410
	1983	5,767,000	2,743,904	3,023,096
	1984	5,792,000	2,756,894	3,035,106

* Estimate of state's total population provided by Bureau of the Census, U.S. Department of Commerce, Washington, D.C. Series P-25, No. 951 (May, 1984).

APPENDICES

NOTE: Confidential section is detached from record and is not maintained in public file.

175M FORM R—3 11-83 176233

CHILD

1 PLACE OF BIRTH a (County) b (City or Town) c NAME OF HOSPITAL — IF NOT IN HOSPITAL, NUMBER & STREET

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

STANDARD CERTIFICATE OF LIVE BIRTH

(City or Town making this return)

REGISTERED NUMBER

2 NAME (FIRST, MIDDLE, LAST)

3 SEX	4 THIS BIRTH SINGLE, TWIN ETC., SPECIFY	4a IF NOT SINGLE, BORN FIRST, SECOND, ETC. SPECIFY ORDER OF BIRTH	5 DATE OF BIRTH (MONTH, DAY, YEAR)	5a HOUR M.

FATHER

6 FULL NAME (FIRST, MIDDLE, LAST)

7 BIRTHPLACE (CITY OR TOWN, STATE OR COUNTRY) — 8 AGE AT TIME OF THIS BIRTH

9a FATHER'S OCCUPATION — 9b MOTHER'S OCCUPATION

MOTHER

10 FULL NAME (FIRST, MIDDLE, MAIDEN, LAST)

11 BIRTHPLACE (CITY OR TOWN, STATE OR COUNTRY) — 12 AGE AT TIME OF THIS BIRTH

13 RESIDENCE (NO. STREET (DO NOT USE MAILING ADDRESS), CITY OR TOWN, COUNTY, STATE, ZIP CODE)

CERTIFICATIONS

14 CERTIFIER	15 INFORMANT
☐ M.D./D.O. - ATTENDANT AT BIRTH ☐ POST NATAL ONLY ☐ ATTENDANT - IF OTHER THAN M.D./D.O. ☐ ATTENDANT - C.N.M. (Signature, Physician or other attendant) (Print or type name CH 46 SEC 3 & 9) (Address)	I certify that the information appearing above is true and correct (Signature) (Relationship) (Date) (Present mailing address if different from Item # 13)

16 REC'D IN CLERK'S OFFICE — 17 SUPPLEMENT FILED — 18 SIGNATURE OF REGISTRAR

NOT A LEGAL RECORD

CONFIDENTIAL INFORMATION — CHAPTER III SECTION 24B AS AMENDED

PHYSICIAN TO COMPLETE ITEMS IN RED WITHIN 24 HOURS (CH. 46 SEC. 3)

HOSPITAL CODE NO.

19 RACE - FATHER	20 EDUCATION - FATHER	PREGNANCY HISTORY (Complete each section)	
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)	(Specify only highest grade completed) Elementary or Secondary (0-12) | College (1 - 4 or 5+)	LIVE BIRTHS (Do not include this child) NOW LIVING NOW DEAD	OTHER TERMINATIONS (Spontaneous and Induced) BEFORE 20 WEEKS AFTER 20 WEEKS
22 RACE - MOTHER	23 EDUCATION - MOTHER	21a Number_____ 21b Number_____	21d Number_____ 21e Number_____
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)	(Specify only highest grade completed) Elementary or Secondary (0-12) | College (1 - 4 or 5+)	None ☐ None ☐ 21C Date of Last Live Birth (Month, Year)	None ☐ None ☐ 21f Date of Last Other Termination (as indicated in d or e above)

24 DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR	25 MONTH OF PREGNANCY PRENATAL CARE BEGAN (FIRST, SECOND, THIRD, ETC., SPECIFY)	26 PRENATAL VISITS TOTAL NUMBER (IF NONE, SO STATE)

27 COMPLICATIONS RELATED TO PREGNANCY (Describe or write "None")	28 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")

29 COMPLICATION OF LABOR AND/OR DELIVERY A. (Describe or write "None")	B. Caesarean (Check One) ☐No ☐Primary ☐Repeat	30 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")

31 BIRTH WEIGHT lbs. ozs. or grams	32 APGAR SCORE a. 1 min. b. 5 min.	33 IS MOTHER MARRIED? (Specify yes or no)	34 PATIENT CARE ☐ PRIV. ☐ OTHER ☐ M.I.C.	35 AT TIME OF THIS REPORT ☐ CHILD LIVING ☐ DEAD

Detach and Return to Department of Public Health — Registry of Vital Records and Statistics, 150 Tremont Street Room B-3, Boston, MA 02111

[INSTRUCTIONS ON REVERSE SIDE]
FOR USE BY PHYSICIANS AND MEDICAL EXAMINERS

The Commonwealth of Massachusetts

STANDARD CERTIFICATE OF DEATH
REGISTRY OF VITAL RECORDS AND STATISTICS

REGISTERED NUMBER | STATE USE ONLY

STATE USE ONLY
1.
72 PLACE 74
75 HOSPITAL 78
2.
9 RACE
19 NATIVITY 20
32 RESIDENCE 34
OUT OF STATE 37
35
38 CENSUS 41
42 AUTOPSY
45 MED. EXAM.

DECEDENT

1 DECEDENT - NAME FIRST | MIDDLE | LAST
2 SEX
3 DATE OF DEATH (Mo., Day, Yr.)
4a PLACE OF DEATH (CITY OR TOWN)
4b COUNTY OF DEATH
4c HOSPITAL OR OTHER INSTITUTION - Name (If not in either, give street and number)
4d IF IN HOSPITAL D.O.A. (Yes or No)
5 RACE (e.g., White, Black, American Indian, etc.) (Specify)
6a AGE - Last Birthday (Yrs.)
6b UNDER 1 YEAR MOS. | DAYS
6c UNDER 1 DAY HOURS | MINS
7 DATE OF BIRTH (Mo., Day, Yr.)
8 STATE OF BIRTH (If not in U.S.A., name country)
9 MARRIED, NEVER MARRIED, WIDOWED OR DIVORCED
10 SPOUSE (If wife, give maiden name)
11a USUAL OCCUPATION (Prior - If Retired)
11b KIND OF BUSINESS OR INDUSTRY
12 SOCIAL SECURITY NUMBER
13 IF U.S. WAR VETERAN SPECIFY WAR
14 RESIDENCE - STREET AND NUMBER, CITY OR TOWN, COUNTY, STATE, ZIP CODE
15a FATHER - FULL NAME
15b STATE OF BIRTH (If not in U.S.A., name country)
16a MOTHER - NAME (GIVEN) MAIDEN)
16b STATE OF BIRTH (If not in U.S.A., name country)

INFORMANT

17a INFORMANT - NAME AND ADDRESS
17b RELATIONSHIP

DISPOSITION

18a TYPE OF DISPOSITION (Specify Burial, Cremation, Other)
18b DATE OF DISPOSITION
18c PLACE OF DISPOSITION AND LOCATION - CITY OR TOWN - STATE
19a FUNERAL SERVICE LICENSEE
19b NAME OF FACILITY
19c ADDRESS OF FACILITY

CAUSE OF DEATH

20 IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) (PRINT OR TYPE LEGIBLY)
PART I (a)
DUE TO, OR AS A CONSEQUENCE OF
(b)
DUE TO, OR AS A CONSEQUENCE OF
(c)
Interval between onset and death
PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not related to cause given in Part I(a)
21 AUTOPSY (Yes or No)
22 WAS CASE REFERRED TO ME/C EXAM (Yes or No)
23 ACC., SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)
24a DATE OF INJURY (Mo., Day, Yr.)
24b HOUR OF INJURY
24c DESCRIBE HOW INJURY OCCURRED
24d INJURY AT WORK (Specify Yes or No)
24e PLACE OF INJURY - At home, farm, street, factory, office building, etc. (Specify)
24f LOCATION - STREET - CITY OR TOWN - STATE

CERTIFIER

To be Completed by CERTIFYING PHYSICIAN Only
25a To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated
(Signature and Title)
25b DATE SIGNED (Mo., Day, Yr.)
25c HOUR OF DEATH
25d NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

To be Completed by MEDICAL EXAMINER Only
26a On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated
(Signature and Title)
26b DATE SIGNED (Mo., Day, Yr.)
26c HOUR OF DEATH
26d PRONOUNCED DEAD (Mo., Day, Yr.) ON
26e PRONOUNCED DEAD (Hour) AT

27 NAME AND ADDRESS OF CERTIFYING PHYSICIAN OR MEDICAL EXAMINER (Type or Print)

BLACK INK ONLY

R-301R

28. BURIAL PERMIT ISSUED ON _____ (DATE)
SIGNATURE-BD. HEALTH AGT.

29. RECEIVED IN THE CITY OR TOWN OF _____
CLERK'S SIGNATURE (DATE RECEIVED)

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER

HOSPITAL – NAME (If not in hospital, give street and number) 1a.
CITY, TOWN OR LOCATION OF DELIVERY 1b.
COUNTY OF DELIVERY 1c.
DATE OF DELIVERY (Month, Day, Year) 2a.
HOUR OF DELIVERY 2b.
SEX OF FETUS 3.
WEIGHT OF FETUS 4.

MOTHER

MOTHER – MAIDEN NAME (First, Middle, Last) 5a.
AGE (At time of this delivery) 5b.
RESIDENCE – STATE 6a.
COUNTY 6b.
CITY, TOWN OR LOCATION 6c.
STREET AND NUMBER 6d.
RACE – (e.g., White, Black, American Indian, etc.) (Specify) 7.
EDUCATION (Specify only highest grade completed) (Elementary or Secondary (0-12)) 8.
EDUCATION (College (1-4 or 5+)) 8.
DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) 9.
IS MOTHER MARRIED? (Specify yes or no) 10.
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. (Specify) 12a.
PRENATAL VISITS – Total number (If none, so state) 12b.
THIS BIRTH – Single, twin, triplet, etc. (Specify) 13a.
IF NOT SINGLE BIRTH – Born first, second, third, etc. (Specify) 13b.

PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS
11a. Now living — Number ____ None ☐
11b. Now dead — Number ____ None ☐
DATE OF LAST LIVE BIRTH (Month, Year) 11c.

OTHER TERMINATIONS (Spontaneous and Induced)
11d. Before 20 weeks — Number ____ None ☐
11e. After 20 weeks — Number (Do not include this fetus) None ☐
DATE OF LAST OTHER TERMINATION (no entry need be made if 0 or none above) (Month, Year) 11f.

FATHER

FATHER – NAME (First, Middle, Last) 14a.
AGE (At time of this delivery) 14b.
RACE – (e.g., White, Black, American Indian, etc.) (Specify) 14c.
EDUCATION (Specify only highest grade completed) (Elementary or Secondary (0-12)) 14d.
EDUCATION (College (1-4 or 5+)) 14d.

CAUSE OF FETAL DEATH

15. **PART I** Fetal or maternal condition directly causing fetal death
IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) (a) ____ Specify Fetal or Maternal

Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last
DUE TO, OR AS A CONSEQUENCE OF (b) ____ Specify Fetal or Maternal
DUE TO, OR AS A CONSEQUENCE OF (c) ____ Specify Fetal or Maternal

PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER Conditions contributing to fetal death but not related to cause given in (c)

FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN (Specify) 16.
PHYSICIAN'S ESTIMATE OF GESTATION 17. Weeks
AUTOPSY (Specify yes or no) 18.

COMPLICATIONS OF PREGNANCY (Describe or write "none") 19.
COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 20.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 21.
CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none") 22.
NAME OF PHYSICIAN OR ATTENDANT (Type or print) 23.
NAME OF PERSON COMPLETING REPORT (Type or print) 24.
TITLE

DISPOSITION

BURIAL, CREMATION, OR BY HOSPITAL 25.
CEMETERY OR CREMATORY – NAME OR WRITE "NONE" 26.
LOCATION CITY OR TOWN STATE 26a.
NAME OF FUNERAL DIRECTOR (IF ANY) 27.
NAME OF FACILITY (Hospital or Funeral Home) 28.
ADDRESS OF FACILITY 28a.

CERTIFICATION

I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.

Signature of Attending Physician or Medical Examiner _____ TITLE

DEFINITION: "Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does NOT include an induced abortion as defined in section 12K of chapter 112 of M.G.L.. Spontaneous abortions are to be included.

TO BE REPORTED: Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS: Return completed reported within 10 days to the Registry of Vital Records and Statistics, Rm. 107 McCormack Bldg., 1 Ashburton Pl., Boston, Ma. 02108

FORM R – 304

FORM R-101

NOT VALID AFTER _____

THIS IS A PERMANENT RECORD. Use only durable black ink or approved black typewriter ribbon. Every item of information should be carefully supplied. ALTERATIONS AND ERASURES IN THIS CERTIFICATE ARE FORBIDDEN; PENALTY FOR VIOLATION, ONE HUNDRED DOLLARS.

SEE CHAP. 207, §§ 28, 28A, 48, 49, 54, 57 and CHAP. 46, § 18.

THIS CERTIFICATE IS NOT TO BE USED OUTSIDE OF MASSACHUSETTS.

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF MARRIAGE

This certificate must be delivered to the person before whom the marriage is to be contracted before he proceeds to solemnize the same

(State number file)

(City or town making return)

Registered No. .....

Intention No. .....

1 Place of Marriage

City or Town .....
(Do not enter name of village or section of city or town)

2 Date of Marriage .....
(Month) (Day) (Year)

	GROOM	BRIDE
3 FULL NAME		12 FULL NAME
3A SURNAME AFTER MARRIAGE		12A SURNAME AFTER MARRIAGE
4 AGE / 5 OCCUPATION		13 AGE / 14 OCCUPATION
6 RESIDENCE NO. ..... STREET CITY OR TOWN ..... STATE		15 RESIDENCE NO. ..... STREET CITY OR TOWN ..... STATE
7 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.) / 8 WIDOWED OR DIVORCED		16 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.) / 17 WIDOWED OR DIVORCED
9 BIRTHPLACE (City or town) (State or country)		18 BIRTHPLACE (City or town) (State or country)
10 NAME OF FATHER		19 NAME OF FATHER
11 MAIDEN NAME OF MOTHER		20 MAIDEN NAME OF MOTHER

21 THE INTENTION OF MARRIAGE by the above-named persons was duly entered by me in the records of the ..... (City or Town)
of ..... (Name of city or town) according to law, this ..... day of ..... 19....
Certificate issued ..... (Month) (Day) (Year) by ..... (City or Town Clerk or Registrar)

22 I HEREBY CERTIFY that I joined the above-named persons in marriage at No. ..... St.,
(If marriage was solemnized in a church, give its NAME instead of street and number)
..... (Name of city or town) on ..... (Month) (Day) (Year)
Signature ..... Official station .....
(Minister of the Gospel, Clergyman, Priest, Rabbi, or Justice of the Peace)
..... (Print or type name)
Residence No. ..... St., City or Town of .....

23 Certificate received by city or town clerk ..... (Month) (Day) (Year) CLERK OR REGISTRAR

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH

REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF ABSOLUTE DIVORCE

(Chap. 208, Sec. 46 G.L.)

R-408

HUSBAND

HUSBAND - NAME	FIRST	MIDDLE	LAST

USUAL RESIDENCE - STREET ADDRESS (2a)		CITY, TOWN OR LOCATION (2b)	
COUNTY (2c)	STATE (2d)	DATE OF BIRTH (Mo., Day, Yr.) (3)	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) (4)

WIFE

WIFE - NAME (5a)	FIRST	MIDDLE	LAST	MAIDEN NAME (5b)

USUAL RESIDENCE - STREET ADDRESS (6a)		CITY, TOWN OR LOCATION (6b)	
COUNTY (6c)	STATE (6d)	DATE OF BIRTH (Mo., Day, Yr.) (7)	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) (8)

DATE OF THIS MARRIAGE (Mo., Day, Yr.) (9)	NUMBER OF CHILDREN BORN ALIVE OF THIS MARRIAGE (10a)	NUMBER OF CHILDREN UNDER AGE 18 IN THIS FAMILY (10b)

JUDGMENT

FOR COURT USE ONLY

COUNTY OF JUDGMENT (11)		TITLE OF COURT (11a)
DATE OF JUDGMENT NISI (Mo., Day, Yr.) (12)	TYPE OF JUDGMENT - DIVORCE OR ANNULMENT (Specify) (13) DIVORCE	DATE OF JUDGMENT ABSOLUTE (Mo., Day, Yr.) (14)
DOCKET NUMBER (15)	NAME OF PLAINTIFF (16)	CAUSE FOR WHICH GRANTED (17)
SIGNATURE OF CERTIFYING OFFICIAL (18a)		TITLE OF OFFICIAL (18b)

APPENDIX II

DEFINITIONS

The following definitions conform wherever possible to those of the National Center for Health Statistics, United States Department of Health and Human Services.

BIRTHS

LIVE BIRTH — A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTHWEIGHT — Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.

MATURE BIRTHWEIGHT — Weight at delivery which equals or exceeds 2500 grams.

IMMATURE BIRTHWEIGHT — Weight at delivery of less than 2500 grams. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

DEATHS

INFANT DEATH — Death of a person whose age is less than one year.

NEONATAL DEATH — Death of a person whose age is less than 28 days.

FETAL DEATH — A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles.

Massachusetts law requires that fetal deaths of 20 or more weeks gestation or of a weight of at least 350 grams be reported; therefore, the fetal deaths referred to in this report are of that gestational age.

CAUSE OF DEATH — The underlying condition which gives rise to a series of events leading to death. The code used for iden-

tifying cause of death is the 9th Edition of the International Classification of Disease. The underlying cause of death is generated by a computer software program developed by the National Center for Health Statistics from coding all causes on death certificates.

DEMOGRAPHIC

HEALTH SERVICE AREA

In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSAs) for the purpose of planning and developing health services. Each HSA encompasses both metropolitan and non-metropolitan areas and contains at least one center for the provision of highly specialized health services.

HEALTH SYSTEMS AGENCY

A Health Systems Agency (HSA) is the public planning body which is responsible for the establishment and implementation of a comprehensive health systems plan within a particular service area. The purpose of the comprehensive plan is to improve the health of HSA residents, increase accessiblity and quality of health services, restrain cost increase and prevent unnecessary duplication of health resources. The executive committee of the agency is composed both of consumers and providers of health care, with the consumers forming the majority. The consumer membership of the committee is chosen to be broadly representative of the social, economic, linguistic and racial populations, geographic areas of the HSA, and major purchasers of health care.

OCCURRENCE

The place where the event actually happened. In Massachusetts, place will be one of 351 cities or towns.

RACE

For birth records: The mother's response to the question of her own and the child's father's racial identity. The race of the baby is determined by consideration of the race(s) of the parents on the birth record.
For death records: The response of the informant, i.e., spouse, next of kin, for a death record.

RESIDENCE

The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother.

RATES

BIRTH RATE = $\frac{\text{No. of Resident Live Births}}{\text{Total Population}} \times 1{,}000$

GENERAL FERTILITY RATE = $\frac{\text{No. of Resident Live Births}}{\text{Total Female Population of Childbearing Age (15-44)}} \times 1{,}000$

AGE-SPECIFIC FERTILITY RATE = $\frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of That Specific Age}} \times 1{,}000$

MORTALITY RATE = $\frac{\text{No. of Resident Deaths}}{\text{Total Population}} \times 1{,}000$

RESIDENT NATURAL INCREASE = Birth Rate - Mortality Rate

FETAL MORTALITY RATE = $\frac{\text{No. of Resident Fetal Deaths}}{\text{Total Live Births and Fetal Deaths}} \times 1{,}000$

INFANT MORTALITY RATE = $\frac{\text{No. of Resident Deaths at Less Than 1 Year of Age}}{\text{Total Live Births}} \times 1{,}000$

NEONATAL MORTALITY RATE = $\frac{\text{No. of Resident Deaths at Less Than 28 Days of Age}}{\text{Total Live Births}} \times 1{,}000$

AGE-SPECIFIC DEATH RATE = $\frac{\text{No. of Resident Deaths in Specific Age Group}}{\text{Total Population in Specific Age Group}} \times 100{,}000$

CAUSE-SPECIFIC DEATH RATE = $\frac{\text{No. of Resident Deaths from Specific Cause}}{\text{Total Population}} \times 100{,}000$

MARRIAGE RATE = $\frac{\text{Number of Occurrence Marriages}}{\text{Total Population}} \times 1{,}000$

DIVORCE RATE = $\frac{\text{Number of Occurrence Divorces}}{\text{Total Population}} \times 1{,}000$

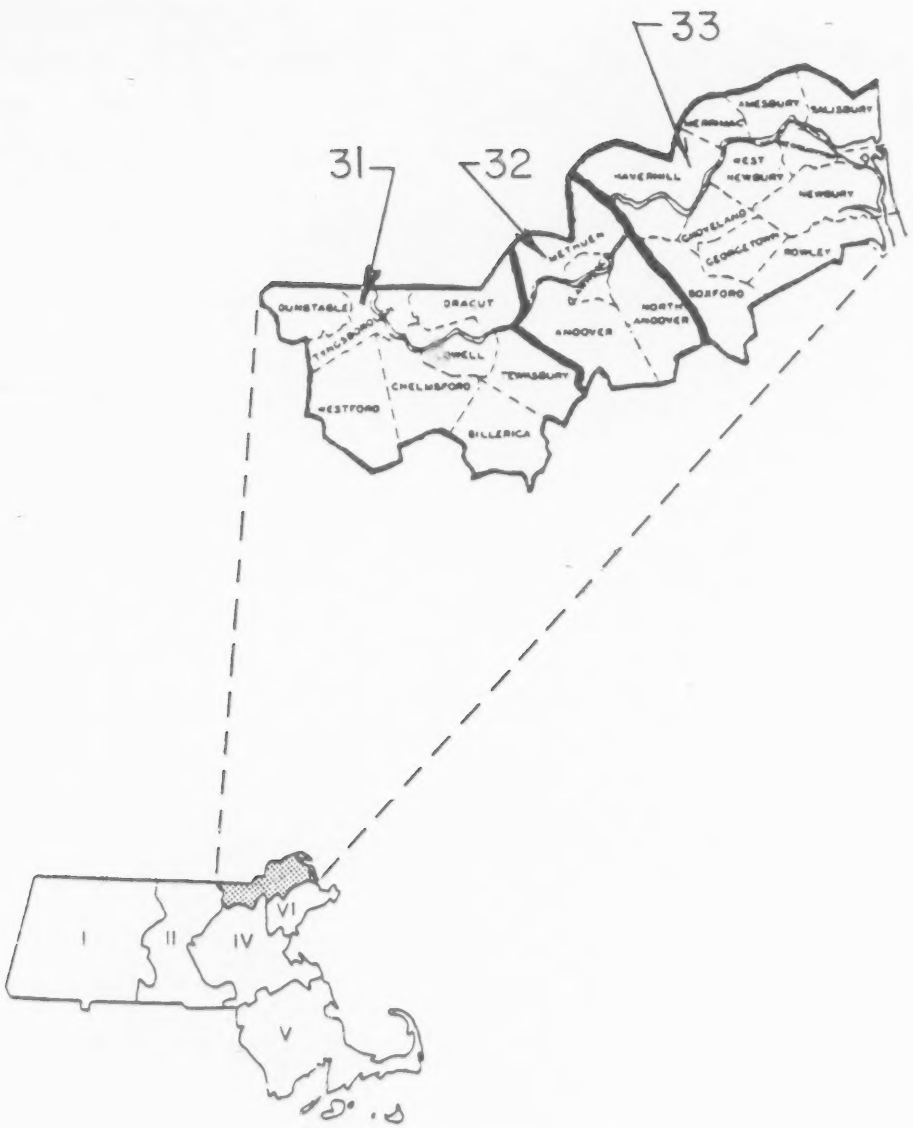
APPENDIX III

HEALTH SERVICE AREA MAPS

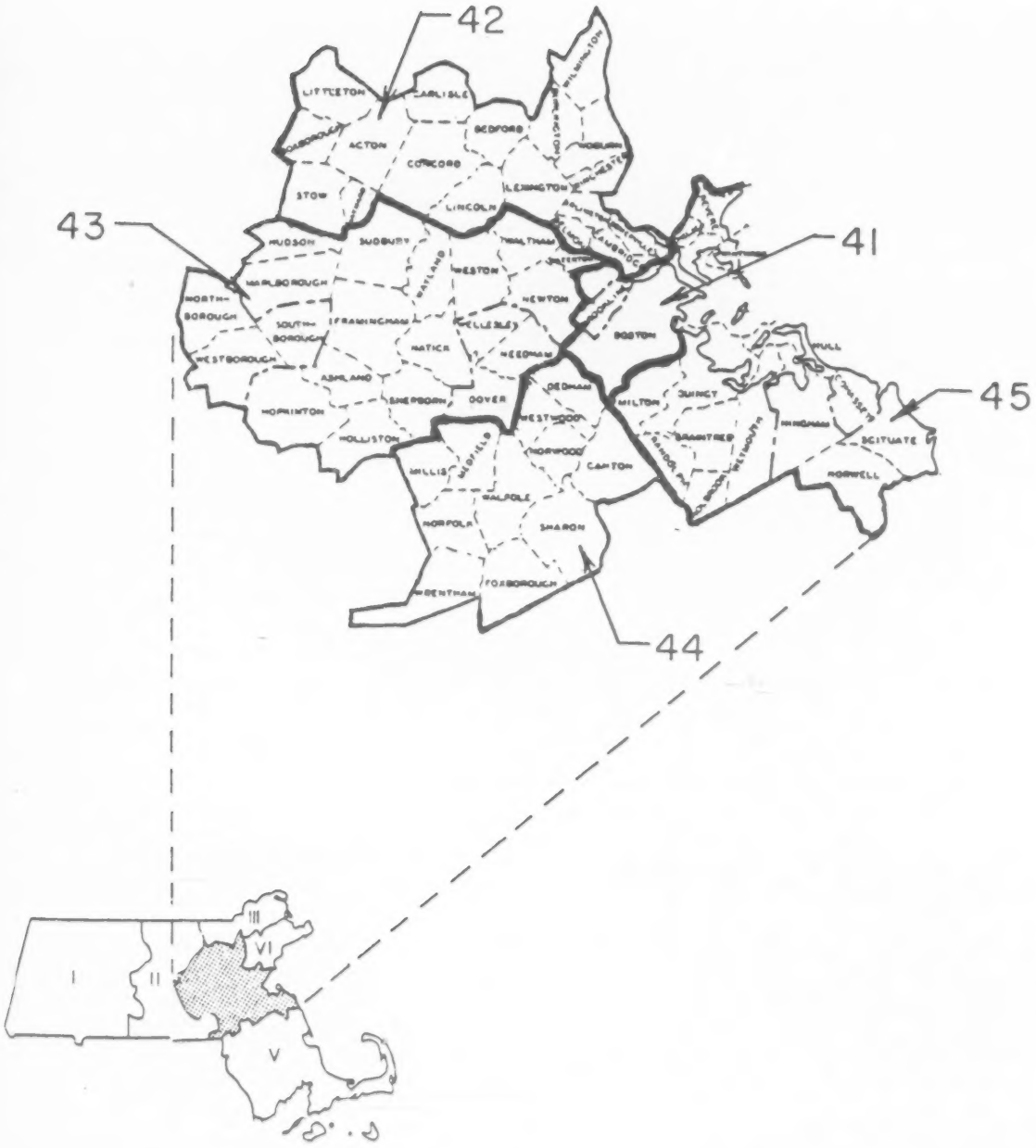
HEALTH SERVICE AREA I

HEALTH SERVICE AREA II

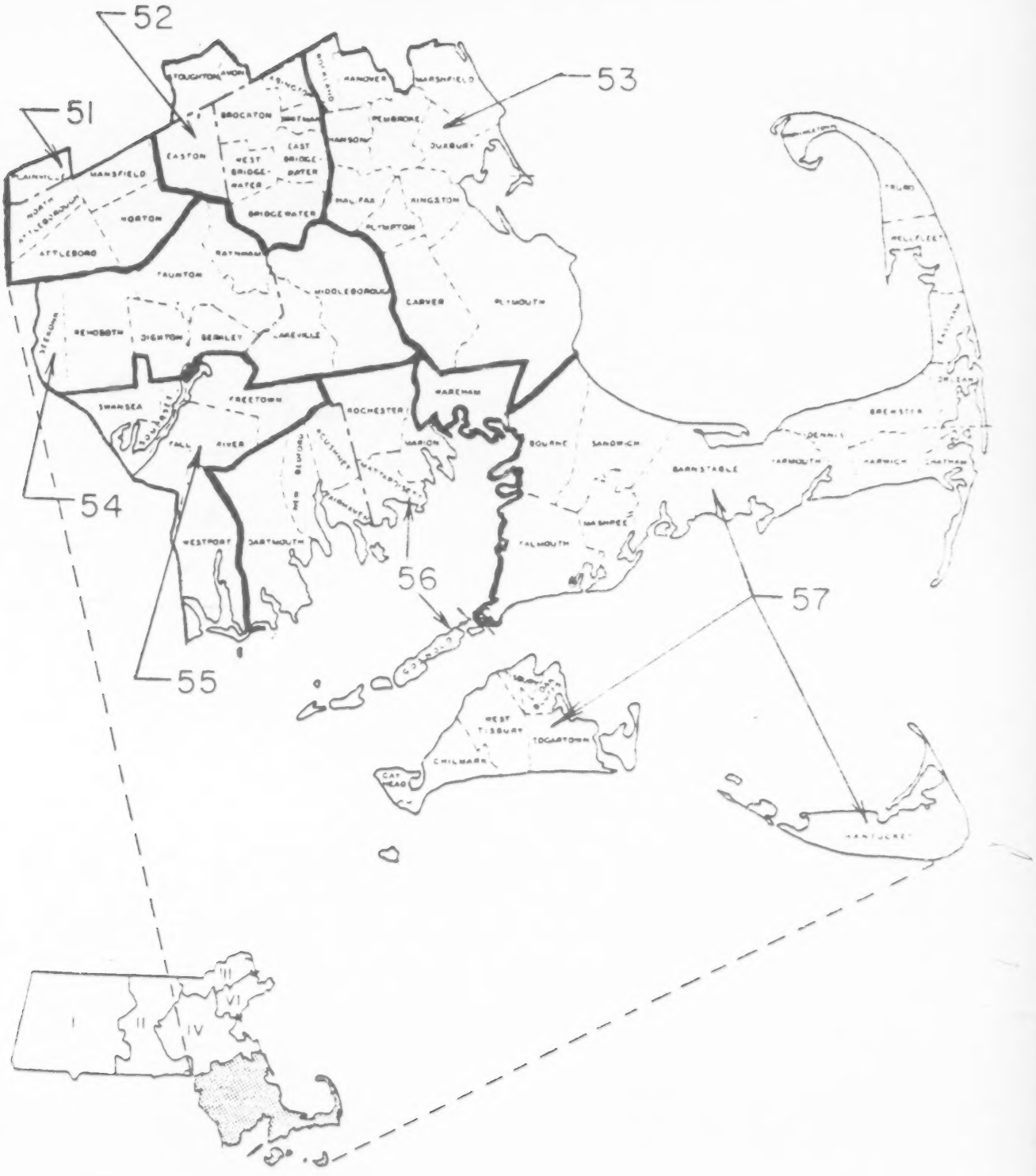
HEALTH SERVICE AREA III



HEALTH SERVICE AREA IV

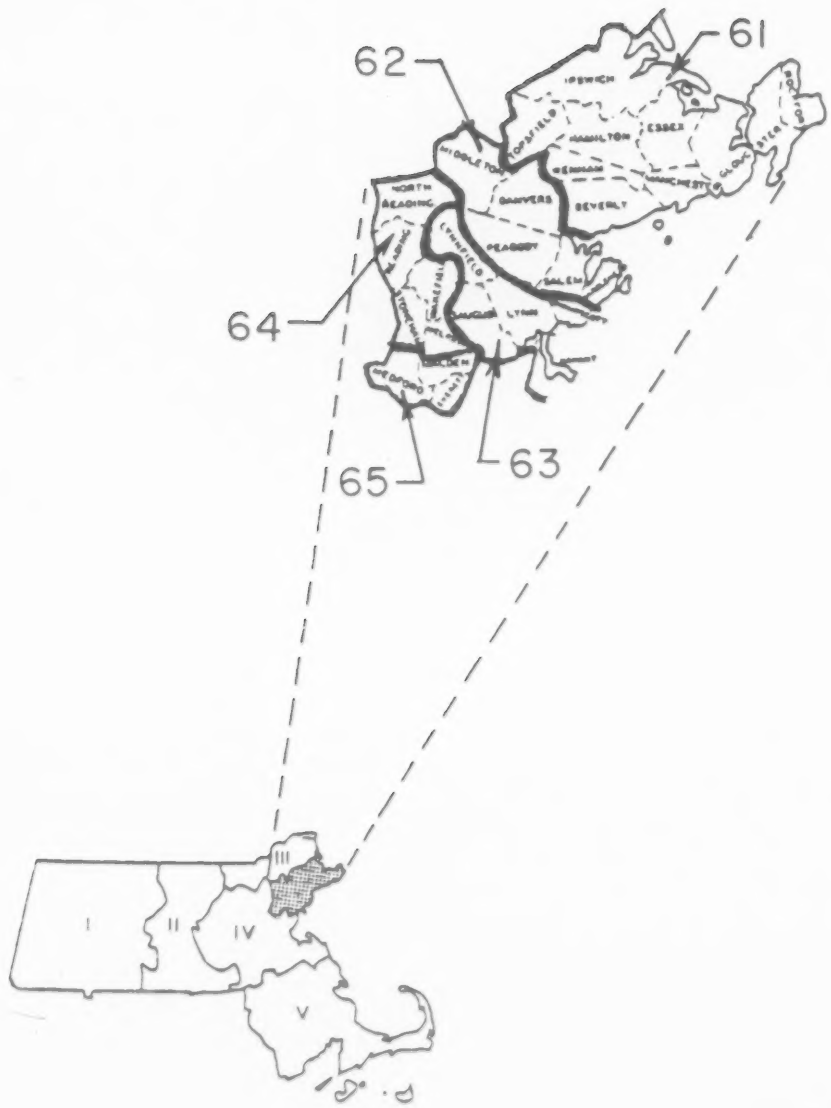


HEALTH SERVICE AREA V*



*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

HEALTH SERVICE AREA VI



Michael S. Dukakis
Governor
Philip W. Johnston
Secretary, Executive Office of Human Services
Bailus Walker, Jr., Ph.D., M.P.H.
Commissioner, Department of Public Health
Sharon L. Rosen, Ph.D.
Director, Division of Health Statistics and Research